

20020215.qrp v02_n467.qrl.20020215

Date: Fri, 15 Feb 2002 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2467

QRP-L Digest 2467

Topics covered in this issue include:

- 1) [119981] QRPDupe Download Site
by Chuck Carpenter <w5usj@9plus.net>
- 2) [119982] Variable caps for sale
by "Hudson, Steve (Cahners)" <sdhudson@cahners.com>
- 3) [119983] Re: Variable caps for sale
by "George, W5YR" <w5yr@att.net>
- 4) [119984] GAP Verticals
by Joseph Mikuckis <k3chp@erols.com>
- 5) [119985] RE: GAP Verticals
by "Kory Hamzeh" <kory@avatar.com>
- 6) [119986] Re: MS-30 #2
by "Rod N0RC" <rod@n0rc.com>
- 7) [119987] GDO Web Page
by Ed Kessler <edkess@pa.net>
- 8) [119988] Both Foxii in the bag
by "Dennis Brickey" <n4dd@preferred.com>
- 9) [119989] MIAMI QRPers PLEASE READ
by "DICK SCHNEIDER" <rjsedit@hotmail.com>
- 10) [119990] Truffle Log
by "Brian Murrey" <brian@iquest.net>
- 11) [119991] FOUND OUR MIAMI QRP DXer ESCOURT
by "DICK SCHNEIDER" <rjsedit@hotmail.com>
- 12) [119992] Arkiecon!
by "James R. Duffey" <jamesd1@flash.net>
- 13) [119993] The fox was out on a chilly night
by Chris Howard <chris@yipypap.com>
- 14) [119994] Re: GAP Verticals
by Bob Nielsen <nielsen@oz.net>
- 15) [119995] MS-30 DX HAPPY DANCE...
by "Rod N0RC" <rod@n0rc.com>
- 16) [119996] K1 Mojo? I'm a believer!
by "Dave Ek" <ekdave@earthlink.net>
- 17) [119997] Re: PVC Mast
by George Gingell <k3tks@u1.abs.net>
- 18) [119998] 30 meter antenna
by jman0iin@attbi.com
- 19) [119999] FOX -- Twofer!!! :-)

by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
20) [120000] Re: SMK 1 mods
by "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
21) [120001] Re: March QST
by "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
22) [120002] Re: Google is Dead (OT)
by "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
23) [120003] Re: PTO discussion
by "DTX" <dtx@wood.tzo.com>
24) [120004] Dremel Drill Press Kit?
by Ekim Snave <kd5aad2000@yahoo.com>
25) [120005] Was:MS-30 DX HAPPY DANCE now QRP sweep!
by "Adrian Weiss" <aweiss@usd.edu>
26) [120006] OT: Near Death (of Amateur Radio) Experience
by "K7FD N7SG" <k7fd@hotmail.com>
27) [120007] Re: 30 meter antenna
by "Adrian Weiss" <aweiss@usd.edu>
28) [120008] Re: Dremel Drill Press Kit?
by "Dennis Ponsness" <wb0wao@hotmail.com>
29) [120009] Re: Dremel Drill Press Kit?
by Ekim Snave <kd5aad2000@yahoo.com>
30) [120010] Help please - TS120V Problem...
by "Dillon, Wayne" <w.dillon@ic.ac.uk>
31) [120011] Handheld Koch tutor now available
by bejones@hursley.ibm.com
32) [120012] Re: GAP Verticals - comment
by "Charles Mabbott" <aa8vs@msn.com>
33) [120013] Re: 30 meter antenna
by John R Kirby <n3aaz-qrp@juno.com>
34) [120014] Re: Help please - TS120V Problem...
by "Mike Yetsko" <myetsko@insydesw.com>
35) [120015] SWR/Wattmeter layout (LED SWR meter)
by K5BDZ@aol.com
36) [120016] Re: 30 meter antenna
by "Dave" <wr3i@earthlink.net>
37) [120017] RE: GAP Verticals
by "Mike Mellinger WA0SXV" <wa0sxv@mellinger.com>
38) [120018] Re: [CQCLIST] C02KK/Denver - here I come!
by "Rod N0RC" <rod@n0rc.com>
39) [120019] Superfest 2002--QRP Corner Theme Announcement
by "Rod N0RC" <rod@n0rc.com>
40) [120020] Re: Dremel Drill Press Kit?
by "Kevin M." <adverseyaw@twmi.rr.com>
41) [120021] Fw: Truffle Log
by "K8CV" <k8cv@netzero.net>
42) [120022] Mosley Mini-33A-WARC
by "Vincent A. Santis" <vsantis@earthlink.net>
43) [120023] Fw: K1 Mojo? I'm a believer!

by "K8CV" <k8cv@netzero.net>
44) [120024] Re: K1 Mojo? I'm a believer!
by "ZOOM" <kandrparker@sympatico.ca>
45) [120025] Re: Dremel Drill Press Kit?
by "carl seyersdahl" <carlseye@tampabay.rr.com>
46) [120026] 20m/17m QRP SSB Skeds? Stillwater, OK
by mwc@okstate.edu
47) [120027] 0 for 3 last night - Truffle & Foxii
by "Thor, n9ik" <n9ik@qsl.net>
48) [120028] Fw: K1 Mojo? I'm a believer!
by "Rod N0RC" <rod@n0rc.com>
49) [120029] RE: Dremel Drill Press Kit?
by "Bob Berlyn" <bberlyn@baycomp.com>
50) [120030] Re: Dremel Drill Press Kit?
by Bruce Muscolino <w6toy@erols.com>
51) [120031] Fw: WTB: DSW-30
by "Alan Fryer" <alanfryer@msn.com>
52) [120032] MC-85 for sale or trade
by "KD3PC" <kd3pc@mindspring.com>
53) [120033] Re: Dremel Drill Press Kit?
by "ZOOM" <kandrparker@sympatico.ca>
54) [120034] Re: Dremel Drill Press Kit?
by "Lee Mairs" <lmairs@cox.rr.com>
55) [120035] Re: Dremel Drill Press Kit?
by "Lau, Zack, W1VT" <zlau@arrl.org>
56) [120036] Re: PTO discussion - some personal thoughts
by Bruce Muscolino <w6toy@erols.com>
57) [120037] Re: PTO discussion - some personal thoughts
by "John_Evans" <jae Evans@codenet.net>
58) [120038] Press n Peel
by Brad Mitchell <n8yg@yahoo.com>
59) [120039] Re: PTO discussion - some personal thoughts
by "Bill Jones" <kd7s@psnw.com>
60) [120040] Re: 0 for 3 last night - Truffle & Foxii
by "George, W5YR" <w5yr@att.net>
61) [120041] Re: Dremel Drill Press Kit?
by "Mike Yetsko" <myetsko@insydesw.com>
62) [120042] Re: Arkiecon!
by David Gauding <david.gauding@bbs.galilei.com>
63) [120043] RE: 0 for 3 last night - Truffle & Foxii
by "Thor, n9ik" <n9ik@qsl.net>
64) [120044] Thanks to the FOXII!!!
by "Trevor Jacobs" <fxtech@earthlink.net>
65) [120045] Re: PTO discussion - some personal thoughts
by "Brice D. Hornback" <bdh@cyberbound.net>
66) [120046] Re: PTO discussion - ruminations
by "Dave Benson" <nn1g@earthlink.net>
67) [120047] Re: Was:MS-30 DX HAPPY DANCE now QRP sweep!

by "Aartec" <aartec@dwx.com>
68) [120048] Re: PTO discussion - some personal thoughts
by "George, W5YR" <w5yr@att.net>
69) [120049] Re: [OT: Near Death (of Amateur Radio) Experience]
by "P.Ermisch" <ermisch@usa.net>
70) [120050] Miami area QRPers Please Read (fwd)
by "Paul Harden, NA5N" <na5n@rt66.com>
71) [120051] Re: PVC as a Mast
by Bill Coleman <aa4lr@arrl.net>
72) [120052] RE: Dude, You're Gettin' An Elecraft
by Brian Short <k7on@earthlink.net>
73) [120053] FW:
by "Kochenderfer, Mike (M.)" <mkochend@ford.com>
74) [120054] Swaging tools
by Chris Cartwright <ccart@phideaux.com>
75) [120055] DDS VFO Kit
by "Trevor Jacobs" <fxtech@earthlink.net>
76) [120056] Re: PTO discussion - some personal thoughts
by Steven Weber <kd1jv@moose.ncia.net>
77) [120057] ATTENTION WAS NUTS
by hamjoel@juno.com
78) [120058] RE: Swaging tools
by "Ed Tanton" <n4xy@earthlink.net>
79) [120059] HX202
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
80) [120060] FREQ-MITE
by "John Dorson" <jdorson@Worldshare.net>
81) [120061] RE: Near Death (of Amateur Radio) Experience
by "N8IE" <n8ie@woh.rr.com>
82) [120062] VX5ZX
by Kenneth Hoglund <hoglund@wfu.edu>
83) [120063] Re: HX202
by "John J. McDonough" <wb8rcr@arrl.net>
84) [120064] Re: VX5ZX
by "tmyers" <tmyers@AcademicPlanet.com>
85) [120065] Anyone WAS-Pixie yet ?
by BOB MASON <skydive@usa.net>
86) [120066] RE: HX202
by "Thor, n9ik" <n9ik@qsl.net>
87) [120067] RE: Miami area QRPers Please Read (fwd)
by "Dillon, Wayne" <w.dillon@ic.ac.uk>
88) [120068] here me
by "frank5838" <frank5838@email.msn.com>
89) [120069] Re: Dremel Drill Press Kit?
by "Larry Przyborowski" <k3peg@yahoo.com>
90) [120070] Re: 0 for 3 last night - Truffle & Foxii
by "Karl F. Larsen" <k5di@zianet.com>
91) [120071] Re: 30 meter antenna

by "Jason Nochlin" <jman0iin@attbi.com>
92) [120072] RE: here me
by "Len Revelle" <lenrev@ameritech.net>
93) [120073] Re: Press n Peel
by "Kevin M." <adverseyaw@twmi.rr.com>
94) [120074] TINY-TORNADO REV2d Transceiver Kits - UPDATE
by "Brice D. Hornback" <bdh@cyberbound.net>
95) [120075] Re: Press n Peel
by <n2go@arrl.net>
96) [120076] Re: Anyone WAS-Pixie yet ?
by David Gauding <david.gauding@bbs.galilei.com>
97) [120077] Double Posts ?
by "N3BJ" <alanfryer@email.msn.com>

Date: Thu, 14 Feb 2002 18:42:31 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [119981] QRPDupe Download Site
Message-ID: <3.0.2.32.20020214184231.0069c730@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP Contesters,

Here's the download site for Brian Kassel's QRPDupe software. The software now covers just about any contest you might want to enter -- including VHF.

<http://www.dancris.com/~bkassel/index.htm#top>

Be sure to check to see if you have the VBRUN300.DLL file too. If you don't, you can get it from this site too.

Chuck Carpenter, W5USJ, Point, Rains Co, TX EM22cv, NE-TX QRP #1

Date: Thu, 14 Feb 2002 19:47:17 -0500
From: "Hudson, Steve (Cahners)" <sdhudson@cahners.com>
To: qrp-l@lehigh.edu
Subject: [119982] Variable caps for sale
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE133BA8490@BINCMDGNOREXC02>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Further cleaning reveals more air variables that need new homes, prices plus shipping from 30004 (Alpharetta/Atlanta, Ga.):

1. Air variable. E.F. Johnson unit. Metal and ceramic frame. Label says 50 pf, 7000 volt variable, 0.175 air gap. Quarter inch shaft extends 1.5 inches from one end. Appears new. \$12.

2. Air variable. E.F. Johnson unit. Metal and ceramic frame. Label reads "250F20" and ceramic stamped "920N97A." Plates measure just under 2 inches in diameter. 21 rotor plates, 20 stator plates, and plate spacing appears to be about 12 plates per inch. Appears to have been removed from equipment at some point. In good condition. Measures about 4x2 inches, plus a quarter inch shaft extending 1.5 inches from one end. I'd guess value is in the 150 to 200 pf range. \$9.

3. Another, just like #2 above. \$9

4. Air variable. Frame measures about 3.5 x 3.75. Plates 3 inches in diameter. Total 21 plates (11 rotor, 10 stator) at spacing about 0.1 inches. Quarter inch shaft extending 1.5 inches from one end. No manufacturer marks visible. Appears to be new and unused, though there is a setscrew impression on the shaft. \$12.

5. Air variable. Frame measures about 2.5 x 2.5 inches, plates about 2.5 inches in diameter. Five rotor plates, four stator plates. 1.5-inch long, quarter inch dia shaft. From remains of label, it's an E. F. Johnson unit. Hand labeled "9-38 mmf" and "4.5 kv." Excellent condition. Setscrew impression on shaft. \$9.

6. Hammarlund air variable, clearly pulled from equipment. Cap mounts on four ceramic spacers. Four rotor plates, three stator plates, plates measuring 2 inches in diameter. One end of frame embossed "HAMMARLUND MFG. CO Inc." and "NEW YORK MADE IN U.S.A." Short quarter-inch shaft, to which is affixed a bakelite thumb wheel, which is chipped. Thumbwheel appears removable with two allen screws. \$5.

7. Large three-section unit that appears to be from surplus transmitter (Command set type? Can't remember, but that's what my fading memory is saying). Black dial on front is calibrated 190-550 KC. Offset plates about 2 inches in diameter. Each section has 11 rotor plates and 11 stator plates. Spacing appears to be about 1/32 inch. Gear reduction drive built onto cap frame. Overall unit measures about 3x4.25 inches. Three small air trimmers integrated into frame. \$6.

Thanks,

Steve AA4BW

Date: Thu, 14 Feb 2002 18:53:50 -0600
From: "George, W5YR" <w5yr@att.net>
To: sdhudson@cahners.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [119983] Re: Variable caps for sale
Message-ID: <3C6C5C1E.B3863D47@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No. 7 is from the famous BC-453 receiver which was widely used after WW2 as a tunable IF to add badly needed IF selectivity to pre-war and early post-war receivers, especially the less expensive ones. See QST back in the 45-47 era for details.

All of these caps sound like real bargains!

72/73/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

"Hudson, Steve (Cahners)" wrote:

> 7. Large three-section unit that appears to be from surplus transmitter
> (Command set type? Can't remember, but that's what my fading memory is
> saying). Black dial on front is calibrated 190-550 KC. Offset plates about 2
> inches in diameter. Each section has 11 rotor plates and 11 stator plates.
> Spacing appears to be about 1/32 inch. Gear reduction drive built onto cap
> frame. Overall unit measures about 3x4.25 inches. Three small air trimmers
> integrated into frame. \$6.

Date: Thu, 14 Feb 2002 19:15:30 -0500
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [119984] GAP Verticals
Message-ID: <3C6C5322.45B0@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Do any of you have experience or give me advice regarding GAP vertical antennas, especially the Titan DX model? The specifications are impressive and the design does make sense. Being broad-banded implies a low Q. Would that be practical for QRP?

Joe, K3CHP
Riverdale, MD

Date: Thu, 14 Feb 2002 17:05:13 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: <k3chp@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [119985] RE: GAP Verticals
Message-ID: <008b01c1b5bc\$d25d6620\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Joe,

The Titan DX was my first HF antenna and I was very impressed with it. It does need to be guyed due to the length. The bandwidth of the antenna is quite impressive. I had it roof mounted on my one story house, but I have been told it works better ground mounted. I don't understand why, but then I'm not an antenna expert either. It is essentially a dipole in it's side. Right now, I have a Cushcraft R-7000, and I feel the Titan outperformed it.

73,
Kory
AC6RN

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> Joseph Mikuckis
> Sent: Thursday, February 14, 2002 4:16 PM
> To: Low Power Amateur Radio Discussion
> Subject: GAP Verticals
>
>
> Do any of you have experience or give me advice regarding GAP vertical
> antennas, especially the Titan DX model? The specifications are

> impressive and the design does make sense. Being broad-banded implies a
> low Q. Would that be practical for QRP?
>
> Joe, K3CHP
> Riverdale, MD
>
>
>

Date: Thu, 14 Feb 2002 18:11:05 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Lee Hopper" <leehop@qwest.net>, <qrp-1@Lehigh.EDU>
Subject: [119986] Re: MS-30 #2
Message-ID: <001c01c1b5bd\$a4e2fbf0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks Lee,

I think it was mentioned already, but just in case, LMB cases are
from: <http://www.lmbheeger.com/> I found them at Mouser and Digikey.

Use of LMB cases is not new to the QRP community, I first heard about
them from George Heron of NJQRP Club fame:
<http://www.njqrp.org/mbrproj/enclosures.html>

73, Rod N0RC ready.... SOLDER!
Ft Collins, CO

----- Original Message -----

From: "Lee Hopper" <leehop@qwest.net>
To: <qrp-1@Lehigh.EDU>; <rod@n0rc.com>
Sent: Thursday, February 14, 2002 9:11 AM
Subject: Re: MS-30 #2

> Fantastic job, Rod. Thanks for posting.
> Case looks great - BTW, what is an LMB case?
>
> Gents, if you haven't visited Rod's site & seen the pictures, do so!
>
> <http://www.radioactivehams.com/~n0rc/ms30/ms30.html>

>
> -LH
>
>

Date: Thu, 14 Feb 2002 20:32:11 -0500
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [119987] GDO Web Page
Message-ID: <5.0.2.1.0.20020214203028.009e8730@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello everyone,

I just uploaded a few photos of my GDO / scQRPion Stinger Singer combination to my web site. The link is under "Miscellaneous."

73
Ed AA3SJ

<http://www.qsl.net/aa3sj/index.html>

Date: Thu, 14 Feb 2002 21:32:12 -0500
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@lehigh.edu>
Subject: [119988] Both Foxii in the bag
Message-ID: <000501c1b5c8\$fa9d8b40\$9af3e4ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Copy is soft in NE Tennessee but both Foxii are in the bag. Something positive to associate with my callsign on the QRP-L for a change.

73/72

Dennis / N4DD

Date: Fri, 15 Feb 2002 02:42:35 +0000
From: "DICK SCHNEIDER" <rjsedit@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [119989] MIAMI QRPers PLEASE READ
Message-ID: <F122c9VjeRoXaXgBDu900008307@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

If you would be willing to pick up a fellow DX QRPer at the Miami airport tomorrow, Friday, keep him overnight and take him to the Ft. Lauderdale airport early Saturday morning, please drop me a line or give me a call tonight (Thur.) or tomorrow (Fri.) morning.

DO NOT RESPOND TO THIS E-MAIL ADDRESS

Please reply to W0HEP at w0hep@arrl.net or call 303-366-3114.

Tnx,

Rich W0HEP

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Thu, 14 Feb 2002 21:54:37 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Pigs" <fpqrp-1@mpna.com>, "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [119990] Truffle Log
Message-ID: <007901c1b5cc\$1b96ad60\$d8382bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Truffle Log - 02/15/02 01:30Z to 02:00Z

=====
Your truffle is KB9BVN from central Indiana
Rig: HW-9 at 2 watts, into attic dipole
=====

Call Time RST State Name

```
=====
K8CV      0131 559 MI WALT
K8KFJ     0134 599 WV GARY
W8DIZ     0138 599 OH DIZ
WV9N      0137 599 OH RANDY
N8IE      0139 599 OH DAN
AF4PS     0140 599 FL MAC
AA50      0141 559 LA VERN
N9NE      0143 599 WI TODD
K8MIA     0144 559 WV JIM
N4ROA     0145 599 VA DAN
K5JHP     0147 559 TX BILL
WA9TZE    0149 599 WI JIM
W9HL      0151 559 IL RANDY
K9UT      0152 599 IN JERRY
W8PIG     0153 559 OH PORKY (FP QRP CLUB)
K4GT      0150 559 GA JIM
W5YR      0158 559 TX GEORGE
W5USJ     0159 559 TX CHUCK
```

Well, that's 18 in 30 mins. I was hoping for at least 15.

Can't swing a dead cat on 40m without hitting a West By God Virginian these days. Nothing wrong with that. George, I was sure I would get your call on the 16th time I asked for it...but I think it took one more. Heavy SSB was cranking it up here at the end of the truffle hunt.

WV9N was the loudest signal heard. He's right at 90 miles SE of me. He has this old Lincoln Continental that's just incredible....ask him about it sometime. It was good to work Porky in there, last QSO with him was a year ago.

I did pick up some new states. Diz, change my total to 28 now. Thanks.

Gotta get some sleep now, sinus meds kicking in...hallucinations due any moment now.

72 es 00

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
```

SOC #400 AND FLYING PIGS QRP #-57

=====

Date: Fri, 15 Feb 2002 03:07:40 +0000
From: "DICK SCHNEIDER" <rjsedit@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [119991] FOUND OUR MIAMI QRP DXer ESCOURT
Message-ID: <F170RB9AHgUGueDInbj00006c5b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

We have found an escort for our QRP DXer in Miami. (It's not as racey as it sounds!)

Thanks.

72 Rich WOHEP..

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Thu, 14 Feb 2002 20:39:53 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [119992] Arkiecon!
Message-ID: <B891D119.1174D%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I was excited to see Jay's announcement of Arkiecon! You can't beat the southern hospitality offered by the Ft. Smith QRP group. It is one of my favorite QRP gatherings.

I am planning on being there. Until you have had turkey fries and fried pickles at the Rib Eye you haven't lived!!!

If there is enough interest I will bring some of my audio filters for people to hear and use on Saturday night. Nick suggested that he would listen to me pontificate over a stout at the Rib Eye, but the Rib Eye is a bit crowded for that. However we did have a nice group at the meeting room in the Motel after dinner last year, so maybe we could do a panel or something there after dinner? Q&A session or something.

If Dave Gauding shows up, he Doug and I can do a presentation on how the Marx Brothers tune an antenna!

If you are within a days drive of Ft.Smith and interested in QRP, I heartily recommend that you attend. The accompanying hamfest has a good swap, and it is always easy to rustle up a game of hearts in the quite moments. See you there? - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Thu, 14 Feb 2002 20:45:30 -0700
From: Chris Howard <chris@yipyp.com>
To: qrp-l@lehigh.edu
Subject: [119993] The fox was out on a chilly night
Message-ID: <20020214204530.48765@amos.yipyp.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Didn't get started here until about 3:20 UTC.
Just got home from a valentine banquet and
fired up the station.

I'm within 100 miles of one and 50 miles
of the other, and they heard me alright.
But things seemed very noisy tonight.
Harder to find them than usual, no crowd
of hounds to show me the way.

I agree with Karl's idea of starting late
in the hunt. The times I have done so have
been most efficient.

Chris
kc0atc

--

Chris Howard
chris@yipyap.com
current Estes Park weather -- <http://www.yipyap.com/wscurrent.html>

YipYap.Com
Estes Park, Colorado USA

Date: Thu, 14 Feb 2002 19:46:37 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [119994] Re: GAP Verticals
Message-ID: <20020215034637.GA18779@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

While I don't have any personal experience with GAP antennas, I'll make two comments:

1. The GAP web site makes a few claims which sound more like snake oil marketing than sound engineering design. That alone makes me very wary.

3. K7LXC and N0AX did a comparison test of several popular verticals which was presented at the 2000 Dayton Hamvention (detailed report available from www.championradio.com for \$17) in which the GAP did not perform well at all.

Having said that, many folks are quite happy with them.

72, Bob N7XY

Date: Thu, 14 Feb 2002 20:51:28 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [119995] MS-30 DX HAPPY DANCE...
Message-ID: <002301c1b5d4\$0cdc6870\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

UA9AYA, Willy in the URALS, 15-feb-2002 0340z 10.107MHz

I've now paired up the MS-30 with my NorCal BLT, what a combo. They

work great together.

73, Rod N0RC
Ft Collins, CO

Date: Thu, 14 Feb 2002 21:00:07 -0700
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [119996] K1 Mojo? I'm a believer!
Message-ID: <000701c1b5d5\$42cedfc0\$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fun night here at the QRP Corral in Colorado Springs...

I just finished the receiver construction in my K1 4-band kit, and was going through the process of receiver and filter board alignment. Got the receiver alignment finished and calibrated, and hooked up my antenna to check out the on-the-air signals. Tuned around a bit, found W1AW code practice right where it should be on 40m, and then tuned down a bit. What's that? CQ FOX? Why, it's W0CQC calling CQ Fox!

No big deal, you say? Au contraire! First thing is I've never even heard a CO Fox before--too close and they're usually off the end of my dipole. Second, it's remarkable that my antenna is still even up in the tree after the wind storm we had last weekend (blew down my back fence!). Third, who'd think that I'd be lucky enough to just stumble onto the fox without even remembering that it's foxhunt night? (I gotta confess, I've hunted enough foxii over the past few years that I don't get excited about foxhunts anymore, especially when a cool kit like the K1 beckons from the bench).

Unfortunately, my K1's transmitter is not yet complete, so I switched over to the main rig to catch the fox (he was begging for contacts at 0341 when I bagged him--no great feat on my part).

And I'm now a believer in that K1 Mojo.

BTW, if you haven't heard (like you've been out of the galaxy for the past few years), the K1 is a really cool little rig! The Elecraft guys have done a tremendous job on this one. Construction is first rate, instructions are first rate (I pity the guy who had to sit and write them...), and it's just packed with cool features! It's gonna be a great Field Day and portable rig!

73 de Dave NK0E
K1 #1066

Date: Thu, 14 Feb 2002 23:22:16 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-1@Lehigh.EDU>
Cc: "Robert \"ZOOM\" Parker" <kandrparker@sympatico.ca>
Subject: [119997] Re: PVC Mast
Message-ID: <20020214225738.A8820-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bob,

One way to Stiffen up a PVC Mast is to Stuff it with a 2 X 2 which has the Corners Shaved a bit. I simple Block Plane will make quick work of it.

Best for 1-1/4 or 1-1/2 PVC. Another "Trick" is to Drill a Couple of Holes in the PVC about 6 to 12 inches above a joint and run a bolt thru the PVC and the Wood and add a Washer and Wing Nut. Makes a good Portable Mast Section. I have also just used an Exterior Deck Screw in my Battery powered Screw Gun to join them.

Your Choice of Wood will make a big difference. Many 2x2s are soft white Pine. No good. Look for spruce or fir. I have thought of adding ladder line stapled to the 2X2s inside of the mast. Not tryed yet, but should work.

I have an assortment of PVC Pipe Samples to play games with when the Weather is Warmer.

I had an offer of a few 55 Gallon Drums, which I thought would make great base stands for some PVC Masts. I plan to fill it partly with Sand/Gravel and Add an internal Spacer to hold a 3-4" PVC Mast in place. Add a Second Spacer as the Lid and you have a heavy Duty Vertical Tower Base.

Just Add PVC Sections and or Fiberglass Fishing Poles to reach the height desired. Guy Lines as needed.

That is my basic Back yard Wire Antenna Test Range. " 5 X 55 Test Range"

I also have a 5 Gallon Bird Feeder Design, and a Light House Design on the drawing board. (The XYL likes Lighthouses :^}

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Fri, 15 Feb 2002 04:52:21 +0000
From: jman0iin@attbi.com
To: qrp-l@lehigh.edu
Subject: [119998] 30 meter antenna
Message-ID: <20020215045221.RCIK2626.rwcrmh51.attbi.com@rwcrwbc56>

Does anyone know of a good 30 meter antenna (or drawing
with lengths, etc for one) for portable use, end-fed
with coax, and doesn't require a tuner? I am getting my
first two QRP kits (a transmitter and a receiver) on
Sunday and want to have a good antenna to use with them
when I finish for camping.

73,
Jason KC0IIN

Date: Thu, 14 Feb 2002 23:01:26 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [119999] FOX -- Twofer!!! :-)
Message-ID: <200202150501.AA01649@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

W0CQC was the first target tonight, as they were nice and loud. Real good pile of hounds after the tag-team fox. :-) Thought I might snag them while ET was at the key, but couldn't quite crack the pile. Changed strategy when Larry tagged in, started calling with warp speed CW, which pricked his ears sufficiently to grab the pelt. :-) The faithful "cootie" key done good. :-)

Jerry, on the other hand, was quite another story. Had to dig for him, and the S9++ ragchew going on maybe 3-400 Hz above him didn't help. Finally got him isolated in the narrow filter's passband so that I could halfways hear what was going on. Knew he was working down, but didn't set up quite low enough to ambush him. Then, the phone rang, and I had to drop out for a while to attend to that.

Came back with about 15 minutes left in the hunt, and had to dig around again to find him. Got him peaked back up, and thought I heard him say DN 2 when he called CQ FOX. Hmmm, that's a long ways down, and I set up shop down a bit over 1 KHz, hoping maybe he'd tune around a bit. No soap. Heard him working NOUR down almost exactly 2 KHz, spotted myself just a *shade* higher, called, and *bang*. :-)

So, got them both, and I'm doing the happy dance again. :-)
Even though they were close in geographic terms, they each offered their own challenges to bring to bag. What more could one want? :-)

72/73,

Todd, AG0T

Date: Fri, 15 Feb 2002 00:05:11 -0500
From: "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
To: QRP-1 <qrp-1@Lehigh.EDU>
Subject: [120000] Re: SMK 1 mods
Message-ID: <5.1.0.14.0.20020215000344.00a44580@mail.tjarey.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Any ideas about how your transmit mods might work with the 1 or 5 watt modifications?

+++++

T.J. "SKIP" AREY N2EI

Specialization is for insects! LAZARUS LONG

Date: Fri, 15 Feb 2002 00:08:10 -0500
From: "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
To: QRP-1 <qrp-1@Lehigh.EDU>
Subject: [120001] Re: March QST
Message-ID: <5.1.0.14.0.20020215000652.00a46a70@mail.tjarey.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Spread your net a bit wider and you'll find us all over the place.
I never met a QRP'er who could write a simple declarative sentence that
didn't share their knowledge in print.

+++++

T.J. "SKIP" AREY N2EI

Specialization is for insects! LAZARUS LONG

Date: Fri, 15 Feb 2002 00:16:54 -0500
From: "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
To: QRP-1 <qrp-1@Lehigh.EDU>
Subject: [120002] Re: Google is Dead (OT)
Message-ID: <5.1.0.14.0.20020215001550.00a024d0@mail.tjarey.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

If they are dead why does their sales staff keep calling my job to try to
get me to buy their software for my Intranet???

+++++

T.J. "SKIP" AREY N2EI

Specialization is for insects! LAZARUS LONG

Date: Thu, 14 Feb 2002 22:21:00 -0800
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [120003] Re: PT0 discussion
Message-ID: <009d01c1b5e8\$efe09ec0\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You're not making sport of the Alumni of Uncle Charlie's Summer Camp now,
are you ;-)

Gary WA6DTX

----- Original Message -----
From: "John_Evans" <jaevans@codenet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 14, 2002 4:04 PM
Subject: Re: PT0 discussion

> I think this group has an abundance of slugs, if you ask me. :)
>
> 72 - john - n0hj
>
> ----- Original Message -----
> From: Ed Manuel <edmanuel@directvinternet.com>
> >a readily available source of slugs.....

Date: Thu, 14 Feb 2002 22:59:55 -0800 (PST)
From: Ekim Snave <kd5aad2000@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [120004] Dremel Drill Press Kit?
Message-ID: <20020215065955.26029.qmail@web10905.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Morning all,

I was in Wal-Mart tonight (or yesterday I guess) and was looking at the Dremel kits and their drill press accessory. Can I use this effectively for drilling holes in stock copper clad board and prototyping? Anyone have experience with this? What about bit size, rpms and speed, etc?

72,
Mike Evans KD5AAD

Do You Yahoo!?
Got something to say? Say it better with Yahoo! Video Mail
<http://mail.yahoo.com>

Date: Fri, 15 Feb 2002 00:46:50 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [120005] Was:MS-30 DX HAPPY DANCE now QRP sweep!
Message-ID: <DSMYW7252UPC7KI85FERPNLD9838551.3c6caeda@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi gang:

Rod N0RC worked UA9AYA at 0341, I worked him then too (although I didn't hear the exchange), and then W0PWE in IA worked him right after I did. QRP was about the only action in town for Willy! Like I've been saying -- if you're not shooting for DX on 30m in the evening, well

72, Ade

Date: Thu, 14 Feb 2002 22:35:55 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [120006] OT: Near Death (of Amateur Radio) Experience
Message-ID: <F255yp8ARf3s1lNY30k000047fb@hotmail.com>
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Arghhh! I almost had a 'qso' on ILink and then confirmed it on eQSL!!!

Thank goodness I fought my way back to Ham Radio and QRP -- Whew, that was close!

73 John K7FD

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Fri, 15 Feb 2002 00:50:56 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [120007] Re: 30 meter antenna
Message-ID: <4XKE2WB9QP62TQMDB07YD9VWVSR86.3c6cafd0@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Jason asked:

"Does anyone know of a good 30 meter antenna (or drawing with lengths, etc for one) for portable use, end-fed with coax, and doesn't require a tuner?"

Actually, such an antenna doesn't exist ... as far as I know. End fed antenna exhibit a very high impedance, so coax is out, especially if no tuner is going to be used. If you want a "no-tuner" antenna and coax, you're looking at a simple old dipole which is centerfed. It can't be beat.

72, Ade

Date: Fri, 15 Feb 2002 07:14:50 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: kd5aad2000@yahoo.com, qrp-1@Lehigh.EDU
Subject: [120008] Re: Dremel Drill Press Kit?
Message-ID: <F191yrjuiIeM0n4Kggh0000e5d1@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Mike,

I have one of these and it is fantastic! I originally bought it to just use with the NJQRP Islander Bit to make "padless" Manhattan projects with. But I have found it to have a LOT of other uses at the workbench. Yep, you can use it to drill holes in PC boards that you etch yourself and it is great for "milling" odd shaped holes in plastic boxes. I also believe (but have not tried) milling traces, etc on PC boards is also possible. I can see a number of other uses for it as well as a small grinder, milling machine, and possibly a table saw. I have not tried out a lot of these ideas yet, but for the price I don't think you can go wrong with it. I think for some of the uses you would need a good adjustable fence for it (or better yet, a mini milling "table"). IMHO, it is well worth the money.

72 es oo

Dennis - WB0WAO

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Thu, 14 Feb 2002 23:50:49 -0800 (PST)
From: Ekim Snave <kd5aad2000@yahoo.com>
To: Dennis Ponsness <wb0wao@hotmail.com>, qrp-1@Lehigh.EDU
Subject: [120009] Re: Dremel Drill Press Kit?
Message-ID: <20020215075049.55132.qmail@web10908.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Awesome! Okay, so this is not way out there then and people are actually using these. Yeah, the price is what caught me. I'm on a student budget (electrical engineering) and if people are using these to build really nice boards, this would be great. Anyone else out there using these?

Thanks and 72,
Mike KD5AAD

--- Dennis Ponsness <wb0wao@hotmail.com> wrote:
> Mike,
> I have one of these and it is fantastic! I
> originally bought it to just
> use with the NJQRP Islander Bit to make "padless"
> Manhattan projects with.
> But I have found it to have a LOT of other uses at
> the workbench. Yep, you
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> think for some of the uses you would need a good
> adjustable fence for it
> (or better yet, a mini milling "table"). IMHO, it
> is well worth the money.
>
> 72 es oo
>
> Dennis - WB0WAO
>
>
>
>

> Join the world s largest e-mail service with MSN
> Hotmail.
> <http://www.hotmail.com>
>

Do You Yahoo!?
Got something to say? Say it better with Yahoo! Video Mail
<http://mail.yahoo.com>

Date: Fri, 15 Feb 2002 08:32:52 -0000
From: "Dillon, Wayne" <w.dillon@ic.ac.uk>

To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [120010] Help please - TS120V Problem...
Message-ID: <2EDAF6DC7CE9D4118D4C00508BAED31534A040@icex3.cc.ic.ac.uk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi Gang,
I was given a TS120S (QRP Version) which is exhibiting a strange problem...
80,40 & 20 metre frequency display is fine, switch to 15 and 10 (all
sections of 10) and the display is blank. If any of you ladies and
gentlemen out there can throw any light on this it would be much appreciated
by this particular Ham.

Many thanks in advance and thanks for the bandwidth,

72/3! de Wayne - G0JJQ

"A meeting is an event at which minutes are kept and the hours are lost."

Date: Fri, 15 Feb 2002 10:02:45 -0000
From: bejones@hursley.ibm.com
To: qrp-1@Lehigh.EDU
Cc: chunsterve7@hotmail.com, ja1vxq@ja1vxq.ampr.org,
dgoodwin@world.com, basil@us.fortis.com, w5tnj@camalott.com,
Subject: [120011] Handheld Koch tutor now available
Message-ID: <3C6CDCC5.20259.206894@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The website is now up - apologies for the delay, high winds brought
down my HF antenna and that took priority!

Go to <http://www.ivarc.org.uk> and follow the projects link. The two
pages Schematic and Stripboard may be slow to load because
they have largish jpgs - if you download the zip files for the project
you will get full page PCX versions.

The site is very new and unchecked - we will be tidying and
reducing image downloads etc over the next few weeks. I will be
putting up pages for all of the projects so if something looks
interesting let me know by email and I'll let you know when it is up.
Also hope to be adding more projects as they come in from

members.

Let me know of any problems

Brian G0UKB

Brian E Jones
Pervasive Computing Specialist
IBM HURSLEY

Date: Fri, 15 Feb 2002 05:44:10 -0500
From: "Charles Mabbott" <aa8vs@msn.com>
To: nielsen@oz.net, qrp-1@Lehigh.EDU
Subject: [120012] Re: GAP Verticals - comment
Message-ID: <F34LEdyt3cew8k69RKL0000598c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The fellow hams I know that use them are satisfied with them.
I have heard of a couple of cases that in high winds they
collapse [weak support tube]. The company did sent replacement
part without any problems. I have never used one, but this is
what I have heard.

73 oo

Chuck AA8VS

>From: Bob Nielsen <nielsen@oz.net>
>Reply-To: nielsen@oz.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: GAP Verticals
>Date: Thu, 14 Feb 2002 19:46:37 -0800
>
>While I don't have any personal experience with GAP antennas, I'll make
>two comments:
>
>1. The GAP web site makes a few claims which sound more like snake oil
>marketing than sound engineering design. That alone makes me very wary.
>
>3. K7LXC and N0AX did a comparison test of several popular verticals
>which was presented at the 2000 Dayton Hamvention (detailed report
>available from www.championradio.com for \$17) in which the GAP did not
>perform well at all.
>
>Having said that, many folks are quite happy with them.
>

>72, Bob N7XY

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Fri, 15 Feb 2002 06:02:09 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU, jman0iin@attbi.com
Subject: [120013] Re: 30 meter antenna
Message-ID: <20020215.060308.-138027.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>>Question . . .

? "Does anyone know of a good 30 meter antenna (or drawing
? with lengths, etc for one) for portable use, end-fed
? with coax, and doesn't require a tuner?"

I am not sure there is a solution to the above question,
however . . .

here is a NO COAX system that will work . . .
on most frequencies . . .
plans to build from scratch . . .
simple and works every time . . .
and **if desired** no feed line required.

The all band portable antenna 'stuff' (below) is my (N3AAZ) work,
it was published in the Nor-Cal QRPp newsletter
(a few issues back), see . . .

THE >L< NETWORK REVISITED
for the schematic and figures or
e-mail me for a .gif attachment.

There is a picture of my >L< (the inductor) on the
QRPp International Radio Club's Web site:
<http://www.QRPp-I.com>

An old five tube radio can provide the 355uF variable >C<
. . . OR . . . because the >L< has taps (it is variable)
just *parallel* >C< to almost any variable capacitor.

A tuning indicator is required, the GQRP web site has an outstanding bridge type (again . . . simple AND it WORKS) plans to build from scratch.

73, John (N3AAZ)

>>>>>> START QRPp TEXT >>>>>>>

THE >L< NETWORK REVISITED

What do these terms have in common?

QRP, backpacking, efficiency, zero-weight feedline, low pass filter, stealth, home brew, omni-directional, all band, tuner, and . . .

Answer . . . One inductor and one capacitor, the >L< Network

Figure 1 (e-mail me direct for an attachment "EXPORT -L- . gif") shows the no feedline, portable, long wire antenna system I used with outstanding success a few years ago while camping in a pop-up. This setup will match most 100 foot long wire antenna configurations from 80 through 10 meters. Since the components are small, light, easy to pack and deploy this configuration also makes for an outstanding spare or emergency antenna.

The inductor is 21 turns of solid 18 AWG wound on a "stack" of three, Micrometals, RED (MIX 2), T94-2, powdered iron cores, with a "tap" placed every three turns (Figure 3). The capacitor is a 200 pico Farad variable. The antenna wire is a small roll of inexpensive, insulated, zip cord. You will need "alligator" clips and a tuning indicator. The earth ground system is several strands of zip cord in parallel. The ground rod just a common screwdriver with a vice-grip for hammer and wire clamp.

Feedline is not required (ssee Figure 1) because the >L< network is connected direct between transceiver and base (the feed point) of the antenna. The feedpoint of the long wire antenna is located inside the shack (camper, tent or sleeping bag).

The tuning indicator can take many forms. It is noteworthy to say, if it takes too long to adjust ANY antenna tuner, the "final RF amplifier" in your transmitter may be at risk to over heating. I suggest, install a 10 dB attenuator (figure 4) between the transmitter and tuner to help protect the PA transistor during the initial adjustment. The "attenuator" technique is NOT a guarantee. The safest method is reduced transmitter power and short (intermittent) "key down" adjustments. The attenuator is removed for final adjustment and QSOs.

The >L< Network

For the purpose of this discussion the term long wire antenna refers to a non resonant wire element that is either, straight line, zigzag, horizontal, vertical, or any combination, but always longer than a half wave at it's operating frequency. A counterpoise is not required. An earth ground helps.

The approximate half wave length in feet can be determined by dividing 468 by the operating frequency in MHz. Example, $\text{Length(ft)} = 468 / F(\text{MHz})$, a half wave at 7.04 MHz is approximately 66.5 feet.

How does the >L< network match a low impedance transmitter to high impedance long wire? Connect the coil in series between the XCVR / ANT junction and connect the capacitor from the COIL / ANT junction to the XCVR chassis and earth ground, see figure 1.

The >L< network will also match most random, non resonant, "short", low impedance antenna. The short antenna refers to a wire or rod (whip), straight line, zigzag, vertical, horizontal or any combination but always less than a quarter wave at it's operating frequency. The short antenna is a compromise, efficiency can be poor and a counterpoise is required for best results. When matching a highZ (50 Ohm, transmitter) to lowZ (15 Ohm, short vertical) the inductor is connected in series between source and load. The capacitor is "shunt" or parallel to the source, see figure 2. Note, this connection is unlike the "long" example above.

Today our camper is a fifth-wheel with an eight-foot aluminum ladder rack. I just add a Radio Shack # 21-937B Rack Mount Bracket to create a very nice whip antenna support AND ladder rack counterpoise antenna system. The base of my antenna is now atop that ladder rack so a feedline is required. NOTE . . . Feedline may assert a length problem and affect the impedance the transmitter looks into when there is a reactive component on the other end. Why? In this case, the load (on the feedline) is a non-resonant length of wire, i.e., a reactive component. Therefore, the transmitter in Figure 2 will only see 50 Ohms when there is a half wave, 50 Ohm feedline connected. Why? A half wave feedline "repeats" at it's INPUT what it "sees" at it's OUTPUT and the >L< network for the "short" antenna was designed to match 50 Ohm.

Conclusions . . .

Exclude . . . the feedline and it is noteworthy to say, the >L< network shown in figures 1 and 2 match the Smith Chart ' yin / yang ' curves, i.e., there is most likely no point on the chart one or the other network configuration will not match to 50 Ohm.

Include. . . a feedline of random length and the >L< network may not tune all the bands, however, the operative word is "random" length feed line. Change the feed line length a foot or two and try again.

Ah 'little Theory and Math (very little). . .

The impedance presented by the end of a random wire can range over a very large playing field, from only a few Ohms to several thousand Ohms. This calculation shows just one example, how to match a 50 Ohm source to a 377 Ohm load using the >L< network.

First find K

$K = \text{Square root of } ((\text{HighZ} / \text{LowZ}) - 1)$

$K = ((377 / 50) - 1) ^{0.5}$

$K = 2.56$

Next find X(L), reactance of the matching coil

$X(L) = K \text{ times LowZ}$

$X(L) = 2.56 \times 50$

$X(L) = 128 \text{ Ohm}$

Next find the matching coil value

If $X(L) = 2 \text{ Pi } F L$

then $L = X(L) / 2 \text{ Pi } F$

$L = 128 / (6.28 \times 7.04\text{E}6) \gg 7.040 \text{ MHz} \ll$

$L = 2.89\text{E}-6 \text{ or } (2.89 \text{ uH})$

The series inductor should be approximately 3 micro Henry

Next find X(C), reactance of the matching capacitor

$X(C) = \text{HighZ} / K$

$X(C) = 377 / 2.56$

$X(C) = 147.26 \text{ Ohm}$

Next find the matching capacitor value

if $X(C) = 1 / (2 \text{ Pi } F C)$

then $C = 1 / (2 \text{ Pi } F X(C))$

$C = 1 / (6.28 \times 7.04\text{E}6 \times 147)$

$C = 1.5\text{E}^{-10}$

(1.5E^{-10}) is 0.15 nano Farad or 0.00015 micro F or 150 pico F

For a lower SWR : >) make C a variable capacitor and (if required) parallel fixed value capacitors to extend the range or series fixed values to decrease the range (total value).

Thank You . . .

This article is the result of my response to a thread on qrp-l. Ade, W0RSP wrote in part . . . "If you really are worried about the weight of a feedline, why use one at all? Instead put up an end fed antenna coupled to a tuner". Doug, KI6DS, read my solution to the feedline weight problem and ask to publish my humble input. This is indeed an honor, thank you Doug, for the invitation and privilege to publish in QRPp. Special thanks go to Bill, KD7S and L.B., W4RNL, for their patient guidance and knowledgeable assistance.

I welcome all comment, >>n3aaz-qrp@juno.com<<

John, N3AAZ

<<< END TEXT <<<

enjoy . . .

73,

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Fri, 15 Feb 2002 06:14:02 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <w.dillon@ic.ac.uk>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [120014] Re: Help please - TS120V Problem...

Message-ID: <003b01c1b612\$27b626c0\$0600a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

A while back someone had a 120 question that was about bands being out, and while not the same as your question, it may be related. If I remember right, there was a board that needed reseated...

If nothing else, that's an easy thing to try.

Mike

----- Original Message -----

From: "Dillon, Wayne" <w.dillon@ic.ac.uk>

> Hi Gang,
> I was given a TS120S (QRP Version) which is exhibiting a strange
problem...
> 80,40 & 20 metre frequency display is fine, switch to 15 and 10 (all
> sections of 10) and the display is blank. If any of you ladies and
> gentlemen out there can throw any light on this it would be much
appreciated
> by this particular Ham.
>
> Many thanks in advance and thanks for the bandwidth,
>
> 72/3! de Wayne - G0JJQ

Date: Fri, 15 Feb 2002 07:00:32 EST

From: K5BDZ@aol.com

To: g3roo@btinternet.com, GQRP@yahoogroups.com, qrp-1@lehigh.edu

Subject: [120015] SWR/Wattmeter layout (LED SWR meter)

Message-ID: <cf.12cd8250.299e5260@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 02/14/2002 12:41:53 PM Central Standard Time,
g3roo@btinternet.com writes:

> Without mentioning names one power meter/ dummy load was modified by
> reducing the groundplain on the supporting PCB, I cannot understand why
this
> was done as it actually cost more to produce as copper had to be etched
> whereas in the original it was a single piece of copper PCB drilled by
> computer. The outcome of doing this is that the unit became unusable on
2m
> where before it was about 1.2:1
>

> Ian

>

Ian is very correct on this important point. The ground plane, and connections to / from the ground plane are extremely important. About 10 years ago, I was doing PCB layouts for various SWR circuits to test. The PCB/s would be connected to the xmit/antenna input / output connectors with short runs of coax. In each instance, relying on "ground plane" to metal enclosure negative (shield) returns created very unstable measurements. BUT, when connecting BOTH the input and output coax shield to the ground plane immediately adjacent to the respective input / outputs for the coax center conductor, the circuits were very stable up thru 150 MHz each and every time, with a variety of different mounting methods / enclosures / etc. Repeatability was assured regardless of the use and mounting means. My favorite circuit and the one I finally chose to produce was that of Dave Stockton's...found in numerous QRP pubs. (Thanks Dave!!!)

Bill K5BDZ

Date: Fri, 15 Feb 2002 08:01:57 -0500
From: "Dave" <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, aweiss@usd.edu
Subject: [120016] Re: 30 meter antenna
Message-ID: <3C6CC075.26547.12644E@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

You could try a 1/4 wave wire attached to center of coax with the shield attached to a steel tent peg for ground make a fine bottom fed sloper vertical just sling the free end into a tree supported with rope or string
Dave

Date: Fri, 15 Feb 2002 07:39:34 -0600
From: "Mike Mellinger WA0SXV" <wa0sxv@mellinger.com>
To: <qrp-l@lehigh.edu>
Subject: [120017] RE: GAP Verticals
Message-ID: <DC32C8CEB3F8D311B6B5009027DE5AD5026C0F4F@stlmail.dra.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have written of my Gap experience at:

<http://www.mellinger.com/wa0sxv/titandx.html>

Within their limits they are fine, but the advertising hype is just that
-- hype.

Mike WA0SXV

Date: Fri, 15 Feb 2002 06:52:04 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <CQCLIST@yahoogroups.com>, "Paul Harden, NA5N" <na5n@rt66.com>
Cc: <qrp-1@lehigh.edu>
Subject: [120018] Re: [CQCLIST] C02KK/Denver - here I come!
Message-ID: <005501c1b627\$f3e7d080\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Paul, et.al.

----- Original Message -----
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: <CQCLIST@yahoogroups.com>
Cc: <qrp-1@lehigh.edu>
Sent: Friday, February 08, 2002 5:41 PM
Subject: [CQCLIST] C02KK/Denver - here I come!

> From my understanding, there will be about 2 hours from the time the
> "doors open" until dinner is served for socializing, showing off
your
> latest homebrew project or whatever. I am making the arrangements
now
> to bring along one of the VLA receivers we built specifically for
the
> Voyager flyby of Uranus/Neptune few years back. All those neat
photos
> from Voyager came through this receiver. Yes it's QRP ... you
figure
> out how much signal was left when it got here from a 2W transmitter
at

> the edge of our solar system! Hopefully I'll have some posters and
stuff
> to hand out as well.
>

I going to bring my MS-30 (see <http://www.norc.com> click MS-30 link).
Not nearly as exciting as Paul's item, but I did QSO UA9AYA with it
last night. ;-) Hope others will bring along their latest pet project,
they'll be fun to see and talk about. Bet Arnie will be interested
too!

73, Rod N0RC
Ft Collins, CO

Date: Fri, 15 Feb 2002 07:25:51 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "ncarc-1" <ncarc@mailman.qth.net>,
"cqcl-1" <CQCLIST@yahoo.com>,
Cc: <w0mc@radioactivehams.com>
Subject: [120019] Superfest 2002--QRP Corner Theme Announcement
Message-ID: <00a301c1b62c\$abea4d80\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

SFX: DRUM ROLL
:
:
:
:
:
:
:
*** PSK-31! ***
SFX: RIM SHOT

After much thought I decided this to be ideal. Local ARES folks are
looking into it's use, so it fits the Superfest theme, and PSK-31 is a
natural for QRP.

I'll have 4 tables, like last year, available to anyone who want's to
show their PSK "stuff": Rig interfaces, specialized PSK-31 rigs (for
example I'll have a Small Wonder Labs PSK-20 on display)...etc.

To "anchor" the display I'll have [at least] copies of various

articles from QST available, that discuss various aspects of PSK-31. Does anybody have strong feelings about what articles I should include? Perhaps articles from publishers other than ARRL? I'll also have a few simple home made computer/rig PSK-31 interface black boxes.

I'll be at the NCARC meeting on Sat. Please plan to attend, we can discuss this and other Superfest topics.

And, I'll also be at the CQC Banquet, ready to discuss the QRP Corner plans with any interested parties.

--- Superfest 2002 -- Are you ready?
73, Rod NØRC SAT, 20-Jul-2002, Larimer Co. Fairgrounds
Ft Collins, CO Come and learn more about Emergency Communications

Date: Fri, 15 Feb 2002 09:34:25 -0500
From: "Kevin M." <adverseyaw@twmi.rr.com>
To: <kd5aad2000@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120020] Re: Dremel Drill Press Kit?
Message-ID: <006301c1b62d\$de64dc20\$1a751d41@magnus>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ekim,

You can use the Dremel to drill the holes in boards. I purchased a Drill press accessory from Home Depot for the dremel and it does work. However, if I had it to do over again, I would just buy a small bench drill press and use the Dremel for other work. I have found that the Dremel has a few problems being used as a drill press. The tool slows down if set at anything below 4 1/2 on the speed control. The bits are hard to change with the tool mounted in the stand (trying to center the bit so there is no wobble). And the "chuck" they sell is necessary to hold #65 drill bits for holes. All that said, it does work. But I would get a small bench drill press from Home Depot or Harbor Freight if I had it to do over again. Hope this helps.
Kevin, KC8SFJ

----- Original Message -----
From: "Ekim Snave" <kd5aad2000@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, February 15, 2002 1:59 AM

Subject: Dremel Drill Press Kit?

>
> Morning all,
>
> I was in Wal-Mart tonight (or yesterday I guess) and
> was looking at the Dremel kits and their drill press
> accessory. Can I use this effectively for drilling
> holes in stock copper clad board and prototyping?
> Anyone have experience with this? What about bit size,
> rpms and speed, etc?
>
> 72,
> Mike Evans KD5AAD
>
> -----
> Do You Yahoo!?
> Got something to say? Say it better with Yahoo! Video Mail
> <http://mail.yahoo.com>
>

Date: Fri, 15 Feb 2002 09:40:55 -0500
From: "K8CV" <k8cv@netzero.net>
To: "Steve Sorrell" <ap036@detroit.freenet.org>
Cc: <qrp-1@lehigh.edu>
Subject: [120021] Fw: Truffle Log
Message-ID: <001a01c1b62e\$c76991e0\$b6be3841@your4xjk98n3xg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

oh oh look who beat out DOC for a change !! :-)

Baloooooooooooooooooooo

----- Original Message -----

From: "Brian Murrey" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 14, 2002 9:54 PM
Subject: Truffle Log

> Truffle Log - 02/15/02 01:30Z to 02:00Z

> =====
> Your truffle is KB9BVN from central Indiana
> Rig: HW-9 at 2 watts, into attic dipole
> =====
> Call Time RST State Name
> =====
> K8CV 0131 559 MI WALT
> K8KFJ 0134 599 WV GARY
> W8DIZ 0138 599 OH DIZ
> WV9N 0137 599 OH RANDY
> N8IE 0139 599 OH DAN
> AF4PS 0140 599 FL MAC
> AA50 0141 559 LA VERN
> N9NE 0143 599 WI TODD
> K8MIA 0144 559 WV JIM
> N4ROA 0145 599 VA DAN
> K5JHP 0147 559 TX BILL
> WA9TZE 0149 599 WI JIM
> W9HL 0151 559 IL RANDY
> K9UT 0152 599 IN JERRY
> W8PIG 0153 559 OH PORKY (FP QRP CLUB)
> K4GT 0150 559 GA JIM
> W5YR 0158 559 TX GEORGE
> W5USJ 0159 559 TX CHUCK
>
> Well, that's 18 in 30 mins. I was hoping for at least 15.
>
> Can't swing a dead cat on 40m without hitting a West By God Virginian
> these days. Nothing wrong with that. George, I was sure I would get
> your call on the 16th time I asked for it...but I think it took one
> more. Heavy SSB was cranking it up here at the end of the truffle
> hunt.
>
> WV9N was the loudest signal heard. He's right at 90 miles SE of me.
> He has this old Lincoln Continental that's just incredible....ask him
> about it sometime. It was good to work Porky in there, last QSO with
> him was a year ago.
>
> I did pick up some new states. Diz, change my total to 28 now.
> Thanks.
>
> Gotta get some sleep now, sinus meds kicking in...hallucinations due
> any moment now.
>
> 72 es 00
>
> =====
> KB9BVN/QRP - New Whiteland IN - EM69WN

> QRP-ARCI #10223 QRP-L #1540 FIST #5695
> FISTS CC #764 - Proud Member ARRL
> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
> INTO INFAMOUS AF4PS ATTIC DIPOLE
> SOC #400 AND FLYING PIGS QRP #-57
> =====
>
>
>
>
>
>

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Date: Fri, 15 Feb 2002 09:49:39 -0500
From: "Vincent A. Santis" <vsantis@earthlink.net>
To: "Tentec (E-mail)" <tentec@contesting.com>
Cc: "QRP List (E-mail)" <qrp-l@lehigh.edu>
Subject: [120022] Mosley Mini-33A-WARC
Message-ID: <01C1B606.28F21FA0.vsantis@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi,

Has anyone any experience with the Mosley Mini-33A-WARC beam, or know of a review for the antenna?

Thanks,
Vince Santis, N1VS
Winsted, CT
NEQRP # 598
PRP-L # 2372
FISTS# 8053
CC # 1161

Date: Fri, 15 Feb 2002 09:50:15 -0500
From: "K8CV" <k8cv@netzero.net>
To: <qrp-l@lehigh.edu>

Subject: [120023] Fw: K1 Mojo? I'm a believer!
Message-ID: <002a01c1b630\$1617aba0\$b6be3841@your4xjk98n3xg>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ME TO I hate it when guys say " me to "
..... :-)

But it's true !!

I finally got one since they went to a 4 BANDER and having a ball with it.

Yes, the audio agc does give you a pop in the ear, it ain't no K-2 ! Didn't cost as much :-) Don't quite get 5 watts out on 15 meters but more than enough on my favorite band, 40 meter FOX HUNTING . Pay attention to the display instructions, I didn't, been there done that, well I tilted it a bit but you can't notice it once it is in the BOX !

Way cool rig! Worth every penny ! Buy one now ! Help the economy ! Make Elecraft stock soar on the big BOARD!

HE HE

Walt K8CV Royal Oak, Mi.

----- Original Message -----

From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 14, 2002 11:00 PM
Subject: K1 Mojo? I'm a believer!

> Fun night here at the QRP Corral in Colorado Springs...
>
> I just finished the receiver construction in my K1 4-band kit, and was going
> through the process of receiver and filter board alignment. Got the receiver
> alignment finished and calibrated, and hooked up my antenna to check out the
> on-the-air signals. Tuned around a bit, found W1AW code practice right where
> it should be on 40m, and then tuned down a bit. What's that? CQ FOX? Why,
> it's W0CQC calling CQ Fox!
>

> No big deal, you say? Au contraire! First thing is I've never even heard a
> C0 Fox before--too close and they're usually off the end of my dipole.
> Second, it's remarkable that my antenna is still even up in the tree after
> the wind storm we had last weekend (blew down my back fence!). Third,
who'd
> think that I'd be lucky enough to just stumble onto the fox without even
> remembering that it's foxhunt night? (I gotta confess, I've hunted enough
> foxii over the past few years that I don't get excited about foxhunts
> anymore, especially when a cool kit like the K1 beckons from the bench).
>
> Unfortunately, my K1's transmitter is not yet complete, so I switched over
> to the main rig to catch the fox (he was begging for contacts at 0341 when
I
> bagged him--no great feat on my part).
>
> And I'm now a believer in that K1 Mojo.
>
> BTW, if you haven't heard (like you've been out of the galaxy for the past
> few years), the K1 is a really cool little rig! The Elecraft guys have
done
> a tremendous job on this one. Construction is first rate, instructions are
> first rate (I pity the guy who had to sit and write them...), and it's
just
> packed with cool features! It's gonna be a great Field Day and portable
rig!
>
> 73 de Dave NK0E
> K1 #1066
>
>
>

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Date: Fri, 15 Feb 2002 10:10:35 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <k8cv@netzero.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120024] Re: K1 Mojo? I'm a believer!
Message-ID: <005401c1b632\$eb4c7100\$c791fea9@wishfullko46s4>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm missing something here. WHAT STOCK

----- Original Message -----

From: "K8CV" <k8cv@netzero.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, February 15, 2002 9:50 AM
Subject: Fw: K1 Mojo? I'm a believer!

> ME TO I hate it when guys say " me to "
> :-)
>
> But it's true !!
>
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> Yes, the audio agc does give you a pop in the ear, it ain't no K-2 !
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bit
> but you can't notice it once it is in the BOX !
>
> Way cool rig! Worth every penny ! Buy one now ! Help the economy ! Make
> Elecraft stock soar on the big BOARD!
>
> HE HE
>
> Walt K8CV Royal Oak, Mi.
>
>

> ----- Original Message -----

> From: "Dave Ek" <ekdave@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Thursday, February 14, 2002 11:00 PM
> Subject: K1 Mojo? I'm a believer!

>
>
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> >
> >
> > 73 de Dave NK0E
> > K1 #1066
> >
> >
> >
> >
>

>
> -----
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Date: Fri, 15 Feb 2002 10:14:21 -0500
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <adverseyaw@twmi.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120025] Re: Dremel Drill Press Kit?
Message-ID: <007201c1b633\$72883140\$29221c18@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd like to add a comment to the Dremel thing. I have a "dremel drill press" and it is a bit on the sloppy side. the drill bit "walks" a bit on first contact because of the wide clearance in the vertical shaft that holds everything in place. For that reason I don't use it much. I was very disappointed in the operation. As was mentioned, you'd be better off with a small bench type drill press of good quality.

just my opinion
carl / kz5ca

----- Original Message -----

From: "Kevin M." <adverseyaw@twmi.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, February 15, 2002 9:34 AM
Subject: Re: Dremel Drill Press Kit?

> Ekim,
> You can use the Dremel to drill the holes in boards. I purchased a
> Drill press accessory from Home Depot for the dremel and it does work.
> However, if I had it to do over again, I would just buy a small bench
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> necessary to hold #65 drill bits for holes.
> All that said, it does work. But I would get a small bench drill press
> from Home Depot or Harbor Freight if I had it to do over again.
> Hope this helps.

> Kevin, KC8SFJ
>
> ----- Original Message -----
> From: "Ekim Snave" <kd5aad2000@yahoo.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Friday, February 15, 2002 1:59 AM
> Subject: Dremel Drill Press Kit?
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>
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> > Morning all,
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> > I was in Wal-Mart tonight (or yesterday I guess) and
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> > Anyone have experience with this? What about bit size,
> > rpms and speed, etc?
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> > 72,
> > Mike Evans KD5AAD
> >
> > -----
> > Do You Yahoo!?
> > Got something to say? Say it better with Yahoo! Video Mail
> > <http://mail.yahoo.com>
> >
>
>

Date: Fri, 15 Feb 2002 09:16:08 US/Central
From: mwc@okstate.edu
To: qrp-1@Lehigh.EDU
Subject: [120026] 20m/17m QRP SSB Skeds? Stillwater, OK
Message-ID: <200202151515.JAA28420@mail5.brightok.net>

Gangue,

Does it make sense to do 5W on SSB in the middle of the day on 20m or 17m? If it will work, I'd like to sked with someone for lunchtime today (Noon-12:45pm CST). I have access to our club's HF equipment and I'm itching to try out SSB.

73, Matthew
AD5AP

This message was sent using BrightNet MailMan.
<http://www.Brightok.net/mailman/>

Date: Fri, 15 Feb 2002 09:16:55 -0600
From: "Thor, n9ik" <n9ik@qsl.net>
To: <qrp-l@lehigh.edu>
Subject: [120027] 0 for 3 last night - Truffle & Foxii
Message-ID: <NEBBLNLOELOIHIEKHCPACEBECNAA.n9ik@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I couldn't hear the Truffle at all last night, I finally found some snouts diggin' but couldn't catch the scent myself until there was only 5 minutes left, but couldn't get my own snout in to grab a truffle.

Went down to pick up the chase for a fox, started with the W0CQC - quite loud - 599 plus -where I am - but couldn't get my 500 mw noticed, so thinking that I'd come back later when it quieted down a little (always worked before!) I went down to track W0MC. Right about that time, the noise level went up to about S5 to S8 most of the time, and W0MC's signal was about S5. I could make him out, barely, most of the time, but I just couldn't get my 500mw noticed again. Then I lost him completely, so I went back up to where W0CQC was. The noise was terrible there also, but I decided to give it a shot. I heard the transition from Larry back to ET then back to Larry again, so I kept at it, and finally, I heard "9IK?" - he heard me but needed a fill! I gave him my call a couple times, but boy, I could barely hear him over the noise which seemed to be up at about S9 by now pretty steady. I heard enough to count it, so when I heard his "BK", I started sending my info, but repeated everything since I figured with my 500mw he'd have a real hard time pulling me out of the noise. Well, either he lost me, or got impatient and decided to move on while I was about half way through. I was sending my power when I heard him sending "(unintelligible) N9IK TU . ." right before I was able to send a second time. DRAT! I guess I can't count that one as a successful QSO. I got his info, but I'm pretty sure he didn't get all of mine, I think. Just after that, I think they "tagged" again, and I heard ET, so I tried it again. I know he heard me, but I think he told me to move on, that I'd already gotten a bite. Oh, well. I tried going back down to where I knew W0MC was. I heard the baying of the hounds, but couldn't pick up the scent.

I went to bed hungry and unsatisfied, my 500mw didn't do the job (but darned

if I was gonna turn up the juice!).....

Date: Fri, 15 Feb 2002 08:26:42 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "Walt Amos" <k8cv@netzero.net>
Subject: [120028] Fw: K1 Mojo? I'm a believer!
Message-ID: <000e01c1b635\$2c82b510\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Walt, et.al.

Check out my website, <http://www.n0rc.com> for some K1 mod ideas
you might like to make, AGC, filter, knob....

To boost the low power on 15m. try adjusting the spacing on
the LPF toroid winding. With a little effort I think you might
be able to eek out a little more power.

73, Rod N0RC
Fort Collins, CO

----- Original Text -----

Subject: Fw: K1 Mojo? I'm a believer!
From: K8CV (k8cv@netzero.net)
Date: Fri Feb 15 2002 - 09:50:15 EST

>
> ME TO I hate it when guys say " me to "
> :-)
>
...
> Yes, the audio agc does give you a pop in the ear, it ain't no K-2 !
Didn't
...
> cost as much :-) Don't quite get 5 watts out on 15 meters but more
than
...

> ----- Original Message -----

> From: "Dave Ek" <ekdave@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Thursday, February 14, 2002 11:00 PM
> Subject: K1 Mojo? I'm a believer!
>
>
> > Fun night here at the QRP Corral in Colorado Springs...
> >
> > I just finished the receiver construction in my K1 4-band kit, and
was
> going
> > through the process of receiver and filter board alignment. Got
the
>

, CO

Date: Fri, 15 Feb 2002 10:29:07 -0500
From: "Bob Berlyn" <bberlyn@baycomp.com>
To: "QRP-L Posting \ (E-mail\)" <qrp-l@lehigh.edu>
Subject: [120029] RE: Dremel Drill Press Kit?
Message-ID: <000201c1b635\$81176300\$0864a8c0@baycomp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Kevin and group:

you might want to look at a company called Micro-Mark www.micromark.com
they specialize in small tool things. They have a jeweler's quality drill
press for about \$150.00. Its a bit more than the dremel route, although
sometimes the correct tool is worth the money in the long run.

I have done business with them and I have been happy.

Just for the record, I am not associated with them, just a happy customer.

Bob Berlyn
N1PWU

East Greenwich, RI

> ----- Original Message -----
> From: "Kevin M." <adverseyaw@twmi.rr.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Friday, February 15, 2002 9:34 AM

> Subject: Re: Dremel Drill Press Kit?
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> > Kevin, KC8SFJ
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> > ----- Original Message -----
> > From: "Ekim Snave" <kd5aad2000@yahoo.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Friday, February 15, 2002 1:59 AM
> > Subject: Dremel Drill Press Kit?
> >
> >
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> > > 72,
> > > Mike Evans KD5AAD
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> > > -----
> > > Do You Yahoo!?
> > > Got something to say? Say it better with Yahoo! Video Mail

> > > http://mail.yahoo.com
> > >
> >
> >
> >
>

Date: Fri, 15 Feb 2002 10:28:20 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kd5aad2000@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [120030] Re: Dremel Drill Press Kit?
Message-ID: <3C6D2914.E4945B30@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The major problem that I have seen with using the Demel Drill Press, for drilling through something as hard as PC Board material is that it really does not drill the hole, instead it burns through the board. This is a fairly common problem with any high speed drilling system. If you can control the speed with one of their speed controls it may be more successful.

73

Date: Fri, 15 Feb 2002 15:34:54 +0000
From: "Alan Fryer" <alanfryer@msn.com>
To: qrp-l@lehigh.edu
Subject: [120031] Fw: WTB: DSW-30
Message-ID: <200202151534.g1FFYsm26903@www1.gopherking.com>

----- Original Message -----

Received: from cpimssmtpa03.msn.com ([10.48.181.63]) by cpimssstra22.email.msn.com with Microsoft SMTPSVC(5.0.2195.4617);

Fri, 15 Feb 2002 07:12:54 -0800

Received: from www1.gopherking.com ([64.71.180.181]) by cpimssmtpa03.msn.com with Microsoft SMTPSVC(5.0.2195.4617);

Fri, 15 Feb 2002 07:12:09 -0800

Received: (from nobody@localhost)

by www1.gopherking.com (8.11.6/8.11.6) id g1FFDJh26136

for alanfryer@msn.com; Fri, 15 Feb 2002 10:13:19 -0500
Message-Id: <200202151513.g1FFDJh26136@www1.gopherking.com>
From: "Alan Fryer" <alanfryer@msn.com>
To: qrp-l@lehigh.edu
Errors-To: alanfryer@msn.com
Subject: WTB: DSW-30
Date: Fri, 15 Feb 2002 15:13:19 +0000
X-Mailer: Gopher King 1.86 - MAPSATONMAPSATON
Return-Path: alanfryer@msn.com
X-OriginalArrivalTime: 15 Feb 2002 15:12:09.0781 (UTC)
FILETIME=[23791650:01C1B633]

Wanted: Small Wonder Labs DSW-30. Complete, incomplete, working,
non-working, partially built, parts missing, no case OK.

Please let me know if you have one that is surplus to your needs.

Alan, N3BJ
Bent Mountain, VA

Date: Fri, 15 Feb 2002 10:35:14 -0500
From: "KD3PC" <kd3pc@mindspring.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [120032] MC-85 for sale or trade
Message-ID: <002701c1b636\$5de0fe40\$0101a8c4@6545>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys and Gals,

Having sold my Kenwood gear, I still have an MC-85 desk mic with two cables
(can switch between total of three). Worked last fall when it was packed
for sale.

Prefer QRP gear or nice working 144/440 handheld...

thanks

dave

Dave Dabay
kd3pc@mindspring.com
2519 Carolina Avenue
Roanoke, Virginia 24014

540-345-5370 Home
540-520-7096 Cellular

Date: Fri, 15 Feb 2002 10:36:51 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120033] Re: Dremel Drill Press Kit?
Message-ID: <007e01c1b636\$96ec1cb0\$c791fea9@wishfullko46s4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If your dremel does not have a speed control or is too fast, buy a light dimmer and make up a cord. I use one for my electric drill and anything else I want to control the speed or voltage on up to the rated wattage.

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, February 15, 2002 10:28 AM
Subject: Re: Dremel Drill Press Kit?

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> more successful.

>
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Date: Fri, 15 Feb 2002 10:49:07 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: <bberlyn@baycomp.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [120034] Re: Dremel Drill Press Kit?
Message-ID: <00aa01c1b638\$4da0eb60\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I wished I'd gone the Micro-Mark route. At \$100 for the Dremel and the Dremel press, \$150 isn't unreasonable. The Dremel wobble using the Islander really annoyed me.
73 de Lee, KM4YY

While modern technology has given people powerful new communication tools, it apparently can do nothing to alter the fact that many people have nothing useful to say.
--Leo Gomes

----- Original Message -----
From: "Bob Berlyn" <bberlyn@baycomp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, February 15, 2002 10:29 AM
Subject: RE: Dremel Drill Press Kit?

> Kevin and group:
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> Bob Berlyn
> N1PWU
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> East Greenwich, RI
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> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> > Sent: Friday, February 15, 2002 9:34 AM
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> > > From: "Ekim Snave" <kd5aad2000@yahoo.com>
> > > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
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Date: Fri, 15 Feb 2002 10:40:26 -0500
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [120035] Re: Dremel Drill Press Kit?
Message-ID: <125490A005E3D3118C9C00805FC743CC027E31EE@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Yes, the Dremel is the cheap way to get enough RPM for carbide bits. We use one all the time in the ARRL lab. We also use cheap resharpened carbide bits that are readily available surplus. Wear safety glasses--carbide is easy to break.

73--Zack W1VT

Date: Fri, 15 Feb 2002 10:45:43 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: edmanuel@directvinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [120036] Re: PTO discussion - some personal thoughts
Message-ID: <3C6D2D27.C2481630@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I find it gratifying to see the interest in using a PTO to tune something! I thought that had all been given over to digital methods!

At the present time I think most of you will build a PTO for a special

radio, and the development of a tuning assembly is not justified. Maybe if there is enough interest some method could be developed!

There has also been some interest in how to calculate the circuit values for a PTO. You must remember that a PTO is, in the end, only an oscillator. It may be built using more solid mechanical means, and it may be tuned with a coil instead of a capacitor, but it is really still only an LC oscillator.

The method I used in my development work was to first decide on the frequency range I wanted. Then I calculate the L and C values necessary. Now, in a normal oscillator I would have wound a toroidal coil and used a variable capacitor whose range matched what I needed! In a PTO, I chose a starting point for the capacitor and calculated the inductance necessary.

The inductor in a PTO is simply a slug tuned coil! If you start with the calculation of inductance for a single layer solenoid coil, which you can find in the ARRL Handbook, you can then insert your slug and adjust the number of turns and/or the capacitor to get the frequency range you want!

There have been formulas in the past for calculating the inductance of a slug tuned coil, but unfortunately those coils are no longer available so the formulas don't do you much good. Experimentation is faster!

One other point, while permeability tuning is nice, it is not magic. Whatever method you choose to tune a variable oscillator requires some sort of special tailoring. Variable capacitors used ot be available designed for straight line frequency change or straight line capacity change. The plates were shaped differently. In a PTO, you may have to distribute the windings in a certain way to get linearity!

BTW, QST had a very good article about building a PTO back in the 60's!

73

Date: Fri, 15 Feb 2002 09:12:20 -0700
From: "John_Evans" <jaevans@codenet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120037] Re: PTO discussion - some personal thoughts
Message-ID: <200202150912.AA311230826@mail.codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I think one thing folks are looking at is more range vs VCOs. Also, to do that, a

PT0 may be cheaper and easier to build than trying to locate a rare air variable capacitor.

72 - john - n0hj

Date: Fri, 15 Feb 2002 08:21:49 -0800 (PST)
From: Brad Mitchell <n8yg@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [120038] Press n Peel
Message-ID: <20020215162149.81523.qmail@web14701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi All,
I'm looking for impressions of
Press n Peel, pcb artwork transfer paper.

I haven't done much research into pc board making
lately, and many people seem to be using this.

I don't need to know about toner transfer methodology,

but rather why this transfer medium is good or bad.

I only ask, because as I was downloading the mirror
image artwork for my son's guitar distortion box,
I noticed that these folks are using the Press n Peel.

73
Brad N8YG

Do You Yahoo!?
Got something to say? Say it better with Yahoo! Video Mail
<http://mail.yahoo.com>

Date: Fri, 15 Feb 2002 08:12:47 -0800
From: "Bill Jones" <kd7s@psnw.com>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120039] Re: PT0 discussion - some personal thoughts

Message-ID: <007101c1b63d\$3a4efd40\$3e8d6bd1@j3s0p2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce's observations were quite correct. A PTO is simply a variable oscillator tuned by changing inductance instead of capacitance.

I dug out my copy of Doug DeMaw's "QRP Design Notebook" and used the formulas he presented on VFO design to come up with a ballpark value for the capacitor and inductance values needed to tune a 40 meter VFO a hundred kHz or so. The variable inductor I'm presently building is designed so that the brass slug moves a full inch into the coil and the inductance changes only 0.1 uH. That should give me somewhere around 100 kHz of tuning. At 32 t.p.i. the tuning rage will be nice and slow maybe almost too slow. Anyhow, I expect to have the variable coil finished by this weekend and pictures will be on my web page.

=====
Bill Jones -- KD7S -- <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Fri, 15 Feb 2002 10:33:48 -0600
From: "George, W5YR" <w5yr@att.net>
To: n9ik@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120040] Re: 0 for 3 last night - Truffle & Foxii
Message-ID: <3C6D386C.322BAED@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thor, when Larry N2WW is working, he inhales CW like we inhale the air. When he heard your power the first time you sent it, he was through with you and ready for the next contact. That is how guys like Larry pile up these big contest scores - they don't wait around for repeats of what they have already copied.

So, I would expect that you will find yourself in the log - and congrats on doing it with 500 mw!

72/73/oo, George W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

"Thor, n9ik" wrote:

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> I heard enough to count it, so when I heard his "BK", I
> started sending my info, but repeated everything since I figured with my
> 500mw he'd have a real hard time pulling me out of the noise. Well, either
> he lost me, or got impatient and decided to move on while I was about half
> way through. I was sending my power when I heard him sending
> "(unintelligible) N9IK TU . ." right before I was able to send a second
> time. DRAT! I guess I can't count that one as a successful QSO.

Date: Fri, 15 Feb 2002 11:33:42 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [120041] Re: Dremel Drill Press Kit?
Message-ID: <005701c1b63e\$8c2a6220\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've used the Dremel in the past, but not too much recently.

I picked up a floor standing drill press at one of the surplus houses for under \$100.

Only trouble was, the 1/2" chuck is so big it won't come down far enough to pinch on 1/8" bits.

But, I found this 'chuck in a chuck' thing. It's like a regular drill chuck,
only it's tiny. It can grab things like dental bits it's so fine. It can
only
go UP in size to about 3/16 or so, not even 1/4". It has a 1/4" hex
shaft on the back to fit into the cordless screwdrivers.

Using that in the big drill press makes it easy to use for small detailed work.

Also, a few years ago my dad had picked up 'slider' for his drill press. It went into the 'big' chuck, and had a small chuck on the bottom of it. There was ring in the middle that you grabbed, and it would 'telescope' the small chuck down so you didn't have to use the big crank.

Mike

Date: Fri, 15 Feb 2002 10:34:49 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [120042] Re: Arkiecon!
Message-ID: <5.1.0.14.0.20020215100817.00a1dc00@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy!

Dr. Megacycle wrote:

>If Dave Gauding shows up, he Doug and I can do a presentation on how the
>Marx Brothers tune an antenna!

I agree. But, we must remember our host Jay Bromley made that experiment possible by scrambling up his tower at a desperate moment to serve as the sunshield! <g>

>If you are within a days drive of Ft.Smith and interested in QRP, I heartily
>recommend that you attend. The accompanying hamfest has a good swap, and it
>is always easy to rustle up a game of hearts in the quite moments. See you
>there? - Dr. Megacycle KK6MC/5

I concur completely with Jim Duffey! Arkiecon is one of the best annual get-togethers ever for QRPer's and homebrewers. All radio all of the time and always memorable.

If you attend, planning on returning home with great ideas, fond memories and several new friends. This year's speaker group alone is reason enough to enjoy the weekend. If you have ever thought about over-dosing on ham radio Arkiecon is the place to make it happen!

I'm at Atlanticon this year (same weekend) but understand a group of St. Louis QRP Society folks are driving down again. Fair warning - watch your wallets! <g>

Have fun in Ft. Smith!

de Dave, NF0R nf0r@slacc.com

Date: Fri, 15 Feb 2002 10:37:58 -0600
From: "Thor, n9ik" <n9ik@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120043] RE: 0 for 3 last night - Truffle & Foxii
Message-ID: <NEBBLNLOELOIHIEKHCPAOEBICNAA.n9ik@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks for the vote of confidence, George! I hope I do find my call in the log....

Thanks again,

- Thor, N9IK

Date: Fri, 15 Feb 2002 08:43:00 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [120044] Thanks to the FOXII!!!
Message-ID: <010201c1b63f\$d4f4ea60\$55e8b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just wanted to say thank you to the 2 FOXII from last night. Both of you were doing a splendid job, and were also both quite strong here into Burbank, CA. Was quite a pileup last night too, lots of hounds on the hunt! I'm curious as to what the setup was (especially the antenna) at the club station W0CQC as you guys were s9+ for a lot of the evening here! Sure makes for a fun evening when the noise level from the power

lines here is behaving Hi! Take care...

72/73's

Trev

KG6CYN

Date: Fri, 15 Feb 2002 11:48:19 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120045] Re: PTO discussion - some personal thoughts
Message-ID: <00c901c1b640\$930931a0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone! Here is a VERY simple tuning method that works great (although I haven't tried it on a ham radio yet). Anyone ever build a "Single Slider" type Crystal Radio? Here's a photo of a Oak and Brass Crystal Radio kit I designed and sold a couple years back.

<http://www.QRPp-I.com/images/crystalradio.jpg>

The tuning rod slides across the coil. You have to sand the enamel off the magnet wire to expose the bare copper. I did this by taking electrical tape and putting two pieces across the coil with 1/4" space between them and then using 100 grit sand paper.. .carefully removing the enamel. I measured the one shown in the photo which is #30 wire on a 35mm plastic (Kodak) film can (don't ask how many turns... I just leave about 1/4" on each end). I measured it's inductance using my new AADE L/C MeterIIB (this thing is AWESOME!). It's inductance is variable from 0.411uH to 338.6uH. I also have one wound with #26 wire (fewer turns) and it's range is 0.250 to 142.2uH. It shouldn't be difficult to figure out a usable range for a variable oscillator. Anyway... mount the coil in the case and have the tuning bar through a slot. Hopefully you can picture what I'm talking about here. The bar just moves back and forth... not in and out like the PTO. You can even label it. Another method would be to cut a slit in the case, put a bolt through it have mount it so it just touches the coil and freely moves back and forth. Moving the bolt back and forth would tune the rig. Anyway... a "Slider" would be easy to build. Do some searches on Crystal Radios and see all the different tuning methods. The vintage French crystal radios are incredible. One of my favorite designs is an inductively coupled dual-slider.

I know it's not a PTO... but it is an easy method of making a variable

inductor.

Enjoy! Let me know your thoughts...

73/72/71! de Brice KA8MAV
* TINY-TORNADO KITS *
<http://www.QRPp-I.com>

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, February 15, 2002 10:45 AM
Subject: Re: PTO discussion - some personal thoughts

> I find it gratifying to see the interest in using a PTO to tune
> something! I thought that had all been given over to digital methods!
>
> At the present time I think most of you will build a PTO for a special
> radio, and the development of a tuning assembly is not justified. Maybe
> if there is enough interest some method could be developed!
>
> There has also been some interest in how to calculate the circuit values
> for a PTO. You must remember that a PTO is, in the end, only an
> oscillator. It may be built using more solid mechanical means, and it
> may be tuned with a coil instead of a capacitor, but it is really still
> only an LC oscillator.
>
> The method I used in my development work was to first decide on the
> frequency range I wanted. Then I calculate the L and C values
> necessary. Now, in a normal oscillator I would have wound a toroidal
> coil and used a variable capacitor whose range matched what I needed!
> In a PTO, I chose a starting point for the capacitor and calculated the
> inductance necessary.
>
> The inductor in a PTO is simply a slug tuned coil! If you start with
> the calculation of inductance for a single layer solenoid coil, which
> you can find in the ARRL Handbook, you can then insert your slug and
> adjust the number of turns and/or the capacitor to get the frequency
> range you want!
>
> There have been formulas in the past for calculating the inductance of a
> slug tuned coil, but unfortunately those coils are no longer available
> so the formulas don't do you much good. Experimentation is faster!
>
> One other point, while permeability tuning is nice, it is not magic.
> Whatever method you choose to tune a variable oscillator requires some

> sort of special tailoring. Variable capacitors used ot be available
> designed for straight line frequency change or straight line capacity
> change. The plates were shaped differently. In a PTO, you may have to
> distribute the windings in a certain way to get linearity!
>
> BTW, QST had a very good article about building a PTO back in the 60's!
>
> 73
>

Date: Fri, 15 Feb 2002 11:42:33 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: "Bruce Muscolino" <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [120046] Re: PTO discussion - ruminations
Message-ID: <001e01c1b659\$843fc1c0\$77e23a41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce and multitudes-

>>-----Original Message-----
From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, February 15, 2002 7:50 AM
Subject: Re: PTO discussion - some personal thoughts

>>I find it gratifying to see the interest in using a PTO to tune
something! I thought that had all been given over to digital methods!

<<

(Good post- and great 'food-for-thought'.)

Not completely. Each of the types of oscillators has its good points as well as its shortcomings. With the digital implementations high frequency stability is achieved- to oversimplify- at the expense of artifacts like phase noise (PLLs) or spurs (DDSs). From a large-scale manufacturing standpoint, it's easier to invest engineering time in firmware and silicon instead of custom machining and mechanical calibration. From there, it's inevitable that a digitally-based oscillator would be accompanied by an LED or LCD readout. It solves a bunch of manufacturing issues. (Back to that

in a minute)

[Me? I love the old Velvet Vernier dials- the big ones that make you feel like controlling water flow at Hoover Dam when you turn the knob. That doesn't mean, though, that I'll ever produce a kit using those, and for a number of reasons.]

>>One other point, while permeability tuning is nice, it is not magic. Whatever method you choose to tune a variable oscillator requires some sort of special tailoring. Variable capacitors used to be available designed for straight line frequency change or straight line capacity change. The plates were shaped differently. In a PTO, you may have to distribute the windings in a certain way to get linearity!

<<

Here's where we get back to 'manufacturability'. This seems like a case where the electronics industry moved on because PTOs were hard/expensive to produce. The phrase 'special tailoring' is anathema to any modern production facility, and has been ever since Eli Whitney invented the martini. For the experimenter and the tinkerer, though, the analog LO does a good job if it's done right, and it will always have a place in our workshops.

/ Back to my firmware- thanks for the bandwidth..

73- Dave Benson, K1SWL

Date: Fri, 15 Feb 2002 11:00:22 -0600
From: "Aartec" <aartec@dwx.com>
To: "qrp-1@Lehigh. EDU" <qrp-1@Lehigh.EDU>
Subject: [120047] Re: Was:MS-30 DX HAPPY DANCE now QRP sweep!
Message-ID: <000001c1b642\$419eafa0\$0edececf@b6v6o9>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yea, that was fun to hear you guys work him too! Three QRPers in a row, Willy didn't even know what hit him. You are right Ade, 30M is the place for

QRP DX.
72
Jerry
WOPWE

>Hi gang:

>Rod N0RC worked UA9AYA at 0341, I worked him then too (although I didn't
>hear the
>exchange), and then WOPWE in IA worked him right after I did. QRP was about
>the only
>action in town for Willy! Like I've been saying -- if you're not shooting
>for DX on 30m in
>the evening, well

>72, Ade

Date: Fri, 15 Feb 2002 11:02:16 -0600
From: "George, W5YR" <w5yr@att.net>
To: bdh@cyberbound.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120048] Re: PTO discussion - some personal thoughts
Message-ID: <3C6D3F18.DD7A7F6F@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brice, my very first radio - a small crystal set - used exactly that same
tuning scheme. Let's see - that would have been around 1938 or so . . .

72/73/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

"Brice D. Hornback" wrote:

> I know it's not a PTO... but it is an easy method of making a variable
> inductor.

Date: 15 Feb 2002 10:04:36 MST
From: "P.Ermisch" <ermisch@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [120049] Re: [OT: Near Death (of Amateur Radio) Experience]
Message-ID: <20020215170436.504.qmail@cpdvg203.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

ROTFL! Thanks

Paul KB0LUR

"K7FD N7SG" <k7fd@hotmail.com> wrote:

> =

> =

> Arghhh! I almost had a 'qso' on ILink and then confirmed it on eQSL!!!

> =

> Thank goodness I fought my way back to Ham Radio and QRP -- Whew, that =
was =

> close!

> =

> 73 John K7FD

> =

> -----
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>
> =

Date: Fri, 15 Feb 2002 10:05:37 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-1@lehigh.edu
Cc: RHighAurora@aol.com
Subject: [120050] Miami area QRPers Please Read (fwd)
Message-ID: <Pine.SUN.4.10.10202151004050.2201-1000000@shell.rt66.com>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am forwarding this for Rich WOHEP

On my way to Denver for the CQC festivities and to meet Arnie Coro,
C02KK ... so see everyone on the list monday-tuesday.

72, Paul NA5N

----- Forwarded message -----
Date: Thu, 14 Feb 2002 20:54:27 EST
From: RHighAurora@aol.com
To: na5n@rt66.com
Subject: Miami area QRPers Please Read

If you would be willing to pick up a fellow DX QRPer at the Miami airport tomorrow, Friday, keep him overnight and take him to the Ft. Lauderdale airport early Saturday morning, please drop me a line or give me a call tonight or tomorrow morning.

DO NOT RESPOND TO THIS E-MAIL ADDRESS

Please reply to WOHEP at w0hep@arrl.net or call 303-366-3114.

Tnx,

Rich WOHEP

Date: Fri, 15 Feb 2002 12:02:05 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <kandrparker@sympatico.ca>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120051] Re: PVC as a Mast
Message-ID: <1020115120129.MAA02874@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 2/12/02 9:59 PM, ZOOM at kandrparker@sympatico.ca wrote:

>Just wondering if anyone has had any experience using white shedule 40 PVC
>pipe as a mast?

It will work, but it's not very strong, so there's no much you can hold up with it.

I've used a 10 foot piece of 1 1/4" PVC to hold up a 1/4 wave 2m groundplane antenna for a couple of years, but that's about it.

>Not just for field days but all season long. Does it hold up in the
>ultraviolet, weather, wind etc.

UV won't affect it so much as the wind -- it is a lot more flexible than metal masts, and it certainly won't withstand much wind.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Fri, 15 Feb 2002 16:55:45 +0000
From: Brian Short <k7on@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [120052] RE: Dude, You're Gettin' An Elecraft
Message-ID: <E16blr7-0000CE-00@snipe.prod.itd.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

With all due respect, in the spirit of QRP (simplicity, minimalism, etc) perhaps something more like:

Dude, you're gettin' a Cybiko.

:)

--
k7on@earthlink.net >or< <http://www.qsl.net/k7on/>
--

Date: Fri, 15 Feb 2002 12:59:57 -0500
From: "Kochenderfer, Mike (M.)" <mkochend@ford.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Cc: "Kochenderfer, Mike (M.)" <mkochend@ford.com>

Subject: [120053] FW:
Message-ID: <200202151800.g1FI03808605@dymwsm09.mailwatch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"

> -----Original Message-----
> From: Kochenderfer, Mike (M.)
> Sent: Friday, February 15, 2002 12:56 PM
> To: 'qrp-l@Lehigh.EDU'
> Cc: Kochenderfer, Mike (M.)
> Subject:
>
> SET qrp-l mail postpone

Date: Fri, 15 Feb 2002 13:28:48 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120054] Swaging tools
Message-ID: <Pine.LNX.4.21.0202151315480.30365-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm looking for something to compress the middle section of tubing. I guess it would sort of be an inverted swage. What I want to do is reduce the center section of a piece of tubing from 5/8" to about 1/2", in a space of 1/4" to 1". This is for an antenna project and I have a fair number of these to make. A better description might be to look at the connectors on the top rail of a chain link fence. I want to make something like that, but in a smaller diameter.

I thought there would be something like a tubing cutter, but with a blunt wheel to dent the tube instead of cutting it. So far can't find anything like that. Tried to make one... turned out to be a "learning experience" :) Any machinist types out there have any clue what I'm talking about? Don't hold back just because it isn't "cheap". Thanks,

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 15 Feb 2002 10:35:13 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <QRPP-I@yahoogroups.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: "Brice D. Hornback" <bdh@cyberbound.net>,
"T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
Subject: [120055] DDS VFO Kit
Message-ID: <015e01c1b64f\$82a7ef40\$55e8b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Everyone,

Thanks for the replies on interest on the DDS VFO kit! I just got off the phone with Dave Curry WD4PLI, and we've decided to kit it and sell it through his company Curry Communications. Don't have an exact figure on the price yet, or when it will become available, but it should be in a month or so. We'll be getting a web page together with pics and ordering information. The kit will be 2 PCB's (one CPU/Display, the other the DDS) both of them about the same size as the display PCB. The DDS PCB will have a generous amount of prototyping area for making it easy to add mods. I'll be finishing up the hardware design (PCB's) this weekend (hopefully!) and Dave is going to get 10 PCB's made for testing. If everything looks good after the testing, we'll do a run of 100 and see how it goes. I'll keep the list informed on developments, and before I forget, I'd like to thank Dave Benson and Steve Weber for their help and advice on this project! In fact, the test rig is going to be the SW-40+ from Dave. Just ordered it this morning. Take care...

72/73's
Trev
KG6CYN

Date: Fri, 15 Feb 2002 13:44:40 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [120056] Re: PT0 discussion - some personal thoughts
Message-ID: <3.0.6.32.20020215134440.0079ed50@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've often looked at the laser head assembly in a portable CD player as a possible mechanism to tune a PT0. If you have kids, you probably have a

couple of these broken CD players already :-)

Remove the laser assembly from the slider, then the slider could either run a slug in/out of a coil or run a bar across the top of coil like Brice suggested, if you need a really big change in inductance (might be more suitable as a tunable front end than a VFO though). The neat thing is these are motor driven, so you can remotely push button tune it. Eliminates all the mechanical shaft problems. Only down side is, it would end up being a fairly large package.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 15 Feb 2002 13:52:18 -0500
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [120057] ATTENTION WAS NUTS
Message-ID: <20020215.135429.-151151.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

JUST GOT THRU TAKKING
with W3WTX/3 IN DELAWARE....
SAYS HE WIILL MONITOR 7.040 AROUND 2PM IN THE AFTERNOONS...
SO THEN WHAT NEEDS THE ELUSEIVE STATE OF DE.
TWO PM OR SO IN THE AFTERNOONS... 7.040 +-

KE1LA JOEL
IN MAINE

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Date: Fri, 15 Feb 2002 13:57:49 -0500
From: "Ed Tanton" <n4xy@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [120058] RE: Swaging tools

Message-ID: <000401c1b652\$aa5b53d0\$532efea9@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Chris... why don't you just take a tubing cutter and remove the actual cutting disc, then add some 1/2 inch wide disc and a new axle (something like a #10 bolt/etc.) A small caster-wheel (such as Home Depot carries for replacements/etc.) might be removed from its swivel, and mounted using the new 'axle', in the cutter's place. Then simply crank the pressure knob of the cutter/nee' swager for each piece 'til you have the desired swage.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Fri, 15 Feb 2002 14:49:21 -0500
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: <qrp-l@lehigh.edu>
Subject: [120059] HX202
Message-ID: <6579C6377F475547985F0B3E426E16261403E7@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi=20

I have a RS two meter handheld several years old. It has just developed

a problem. Does anyone have the manual for this rig. I have misplaced =
mine.
I need to know how to do a reset on it, I am getting an error message on =
power
up, the message is "erl". If you have the manual is there an =
explanation on
this error. I thought I would try a reset to see if it clears.

Marty

Date: Fri, 15 Feb 2002 14:51:17 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [120060] FREQ-MITE
Message-ID: <009501c1b65a\$27618960\$1c7fd13f@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The unit has been spoken for...
John K2JHU...
jdorson@worldshare.net

Date: Fri, 15 Feb 2002 14:55:52 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [120061] RE: Near Death (of Amateur Radio) Experience
Message-ID: <MMEDLKDLONJOAIGICDJAMEGKCIAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Glad you made it John.
Remember, internet ham radio and eQSL are tools of the CB devil.

And no I don't mean that in a kidding manner, I mean it!

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985

QRP-1 #1404, ARCI #11003

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of K7FD N7SG

Sent: Friday, February 15, 2002 1:36 AM

To: Low Power Amateur Radio Discussion

Subject: OT: Near Death (of Amateur Radio) Experience

Arghhhh! I almost had a 'qso' on ILink and then confirmed it on eQSL!!!

Thank goodness I fought my way back to Ham Radio and QRP -- Whew, that was close!

73 John K7FD

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Fri, 15 Feb 2002 14:57:36 -0500

From: Kenneth Hoglund <hoglund@wfu.edu>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [120062] VX5ZX

Message-ID: <3C6D682F.3B30F1D5@wfu.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I worked this call toward the tail end of the Fireside Sprint last weekend, but haven't been able to find an address to send the qsl card to. Did anyone else find this op?

73

Ken KG4FGC

Date: Fri, 15 Feb 2002 14:55:58 -0500

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Cc: <mehartwell@att.com>
Subject: [120063] Re: HX202
Message-ID: <002d01c1b65b\$0ead4480\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Marty

Assuming it's an HTX-202 (which it sounds like), ER1 means internal RAM error. They indicate that this is usually a result of the lithium RAM backup battery needing to be replaced.

They suggest turning the radio off, then holding down F+D while you turn it on, which will reinitialize the memory. If it happens frequently they say to take it back to the shack to get the battery replaced.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, February 15, 2002 2:49 PM
Subject: HX202

>
> Hi
> I have a RS two meter handheld several years old. It has just developed
> a problem. Does anyone have the manual for this rig. I have misplaced
mine.
> I need to know how to do a reset on it, I am getting an error message on
power
> up, the message is "er1". If you have the manual is there an explanation
on
> this error. I thought I would try a reset to see if it clears.
>
> Marty
>

Date: Fri, 15 Feb 2002 14:20:49 -0600
From: "tmyers" <tmyers@AcademicPlanet.com>

To: <hoglund@wfu.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120064] Re: VX5ZX
Message-ID: <004d01c1b65e\$43f51200\$0100a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think this is it:

VX5ZX via VE5ZX Sylvan Katz 203 BALL CRESCENT SASKATOON, SK S7K 6E1

Found with a Google search.

73
KQ5U, Terry
Spring, Texas

----- Original Message -----

From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, February 15, 2002 1:57 PM
Subject: VX5ZX

> I worked this call toward the tail end of the Fireside Sprint last
> weekend, but haven't been able to find an address to send the qsl card
> to. Did anyone else find this op?
>
> 73
> Ken KG4FGC
>

Date: 15 Feb 2002 15:38:57 EST
From: BOB MASON <skydive@usa.net>
To: qrp-l@Lehigh.EDU
Subject: [120065] Anyone WAS-Pixie yet ?
Message-ID: <20020215203857.2411.qmail@cpdv202.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Can't stop smiling! The Pixie2 actually works. I thought it would be on=

e of
those things that you try, but never quite manage to make contacts with. =
Six
states down with it, 44 to go.... should be done late in 2072.

Bob WB8CAC

CW Forever.... QRP slightly longer

Date: Fri, 15 Feb 2002 14:47:09 -0600
From: "Thor, n9ik" <n9ik@qsl.net>
To: <mehartwell@att.com>, <qrp-1@lehigh.edu>
Subject: [120066] RE: HX202
Message-ID: <NEBBLNLOELOIHIEKHCPAMEBPCNAA.n9ik@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You can find the user manual, after a fashion, on the Radio Shack web site.
That's where I found it when I bought an old 202 a couple years ago.

Follow this link (I hope it works!)
<http://www.radioshack.com/ProdSupport/ProductSupportDrillDown.asp?OID=RSSupport-Communications#>, then click on the link that says "Two-Way & VHF Radios". That will bring up a list & you can chose your model, which will then take you to another list of documents, including error codes, trouble shooting, etc.

Good Luck,

- Thor, N9IK

Date: Fri, 15 Feb 2002 21:23:22 -0000
From: "Dillon, Wayne" <w.dillon@ic.ac.uk>
To: "'Paul Harden, NA5N '" <na5n@rt66.com>,
 "'Low Power Amateur Radio Discussion '" <qrp-1@lehigh.edu>
Subject: [120067] RE: Miami area QRPers Please Read (fwd)
Message-ID: <2EDAF6DC7CE9D4118D4C00508BAED31534A043@icex3.cc.ic.ac.uk>
MIME-Version: 1.0
Content-Type: text/plain

Oh how I wish!!!!!!!!!!!!!!
See you all next year, with luck.
72/3! de Wayne - G0JJQ

-----Original Message-----

From: Paul Harden, NA5N
To: Low Power Amateur Radio Discussion
Sent: 15/02/2002 17:05
Subject: Miami area QRPers Please Read (fwd)

I am forwarding this for Rich W0HEP

On my way to Denver for the CQC festivities and to meet Arnie Coro,
C02KK ... so see everyone on the list monday-tuesday.

72, Paul NA5N

----- Forwarded message -----

Date: Thu, 14 Feb 2002 20:54:27 EST
From: RHighAurora@aol.com
To: na5n@rt66.com
Subject: Miami area QRPers Please Read

If you would be willing to pick up a fellow DX QRPer at the Miami
airport
tomorrow, Friday, keep him overnight and take him to the Ft. Lauderdale
airport early Saturday morning, please drop me a line or give me a call
tonight or tomorrow morning.

DO NOT RESPOND TO THIS E-MAIL ADDRESS

Please reply to W0HEP at w0hep@arrl.net or call 303-366-3114.

Tnx,

Rich W0HEP

Date: Fri, 15 Feb 2002 12:52:46 -0000
From: "frank5838" <frank5838@email.msn.com>
To: <qrp-l@Lehigh.EDU>
Subject: [120068] here me
Message-ID: <000201c1b637\$e6e7ec20\$fec7fea9@pavilion>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Did any one here me last night on 40 meters
N5VT

Date: Fri, 15 Feb 2002 16:51:11 -0500
From: "Larry Przyborowski" <k3peg@yahoo.com>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120069] Re: Dremel Drill Press Kit?
Message-ID: <008601c1b66a\$ee66fd00\$6401a8c0@longh101.md.comcast.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Mike,
Try this: Wrap the drill bit carefully with 1" masking tape until it's about 3/16" in diameter. Then chuck it into the drill chuck, tighten it down a good bit and give it a try. This has worked for me many, many times.

"Poverty is the mother of invention."

72, Larry - K3PEG

> I've used the Dremel in the past, but not too much recently.
>
> I picked up a floor standing drill press at one of the surplus houses for
> under \$100.
>
> Only trouble was, the 1/2" chuck is so big it won't come down far
> enough to pinch on 1/8" bits.
>
> Mike

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 15 Feb 2002 15:04:27 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Thor, n9ik" <n9ik@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120070] Re: 0 for 3 last night - Truffle & Foxii
Message-ID: <Pine.LNX.4.33.0202151500500.3385-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Thor, At least you had a chance. I was due at the Board Meeting at 7PM and found myself in a busy evening since some were in favor of selling the Bank. We prevailed about 0330 UTC so I never heard a peep from anything...

Also the evening is going back to Monday like it has been for 10+ years.

On Fri, 15 Feb 2002, Thor, n9ik wrote:

> I couldn't hear the Truffle at all last night, I finally found some snouts
> diggin' but couldn't catch the scent myself until there was only 5 minutes

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Fri, 15 Feb 2002 15:23:08 -0700
From: "Jason Nochlin" <jman0iin@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120071] Re: 30 meter antenna
Message-ID: <018701c1b66f\$59110fc0\$83f0fd0c@mshome.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does a G5RV use a tuner? I did a Google search on it and didn't find any info on its feedline.

73,

Jason KC0IIN

Date: Fri, 15 Feb 2002 16:25:44 -0600
From: "Len Revelle" <lenrev@ameritech.net>
To: <frank5838@email.msn.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [120072] RE: here me
Message-ID: <006601c1b66f\$b6358370\$6401a8c0@n9ijeptkvz31dm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recall hearing you just before the fox began transmitting. You had a decent signal here on the Wi/I1 line.

Date: Fri, 15 Feb 2002 17:30:46 -0500
From: "Kevin M." <adverseyaw@twmi.rr.com>
To: <n8yg@yahoo.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120073] Re: Press n Peel
Message-ID: <007501c1b670\$6a01a690\$1a751d41@magnus>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brad,
Glad you asked. I have been using Press-n-Peel now for about 6 months. I have made quite a few boards, as well as the front and back panels for my 2n2/40. I have had no problem using it and commonly use traces 10mil thick with 10mil spacing. It is important to use the right heat (I use just higher than acrylic*silk setting) and to be sure it is all transferred before cooling (under cold water) the board. Other than that the stuff is great. I have been making boards for over 20 years and find this stuff to be the easiest/most accurate way to do it. A note on the mirror image. When you print onto the Press-n-Peel transfer it is automatically mirrored so check before you transfer. You might want to make a mirror image of the mirror image and print that onto the Press-n-Peel.

Hope this helps.
Kevin, KC8SFJ

----- Original Message -----

From: "Brad Mitchell" <n8yg@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, February 15, 2002 11:21 AM
Subject: Press n Peel

> Hi All,
> I'm looking for impressions of
> Press n Peel, pcb artwork transfer paper.
>
> I haven't done much research into pc board making
> lately, and many people seem to be using this.
>
> I don't need to know about toner transfer methodology,
>
> but rather why this transfer medium is good or bad.
>
> I only ask, because as I was downloading the mirror
> image artwork for my son's guitar distortion box,
> I noticed that these folks are using the Press n Peel.
>
>
> 73
> Brad N8YG
>
>
> -----
> Do You Yahoo!?
> Got something to say? Say it better with Yahoo! Video Mail
> <http://mail.yahoo.com>
>

Date: Fri, 15 Feb 2002 17:54:55 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120074] TINY-TORNADO REV2d Transceiver Kits - UPDATE
Message-ID: <01bb01c1b673\$c96ad2c0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone. I've had several people ask if I accept checks and money orders as well as PayPal. Yes, that's not a problem. Simply use the form (shopping cart) on the Web site to figure out what you want and then send me an email. I'll reply with instructions for sending payment.

So, if you haven't already, check out the Tiny-Tornado kit at <http://www.QRPp-I.com>

* Remember, this is a Limited Edition run of kits *
* and time is running out to place your order. *

The direct link to the TINY-TORNADO page:
<http://www.QRPp-I.com/tinytornado.htm>

Let me know if you have any questions.

THANKS for all the interest!

73/72/71! de Brice KA8MAV

Date: Fri, 15 Feb 2002 13:10:26 -0500 (EST)
From: <n2go@arrl.net>
To: "Kevin M." <adverseyaw@twmi.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120075] Re: Press n Peel
Message-ID: <Pine.LNX.4.33.0202151305200.664-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you need to reverse the image consider using transparency film. I use it in my copier. I flip it over and then copy onto the pnp blue film. I have made my share of reverse image transfer sheets....:)
I even etched some boards in reverse. That was a bummer. There was one board that I etched in reverse. I mounted all the parts including and IC on the copper side :) It's a good idea to lay out pcb's when you are not tired.

73,

Jim n2go

Date: Fri, 15 Feb 2002 17:42:39 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [120076] Re: Anyone WAS-Pixie yet ?
Message-ID: <5.1.0.14.0.20020215162816.00a92cd0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bob,

Nice report on your Pixie2 operations. Sounds like your having fun too!

I just started on W.A.S. with a homebrew Mighty-Mite transmitter. Has a single 2N4401 putting out 50mW between 7.040 and 7.042. So far, two contacts in MO (my home state), plus IL and MS.

Using the little TX (a W1FB design) with a Corsair I and an SLX portable vertical. Earlier this year, I worked K9IS running the same circuit and Steve helped get my project going.

How much output are you getting from the Pixie2?

de Dave, NF0R nf0r@slacc.com

Date: Fri, 15 Feb 2002 18:28:01 -0500
From: "N3BJ" <alanfryer@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120077] Double Posts ?
Message-ID: <00a001c1b678\$6aa34420\$604e6520@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone else getting double posts from QRP-L or is it just me ?

Alan, N3BJ

End of QRP-L Digest 2467

